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LEVEL II

# SOME MODELS FOR CEILING

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The Burr Curve, which has a closed form cumulative distribution function, is used to model ceiling. Ceiling is modeled for 23 stations distributed throughout the world. Separate models are given for each station for each month and for each three-hour period of the day. Estimates of the error in using the model to estimate ceiling probabilities are given.

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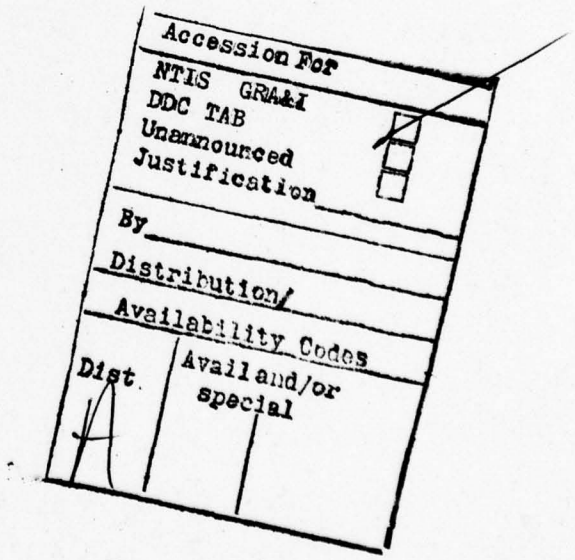

## 1. INTRODUCTION

There are many situations where it is useful to estimate the probability that some weather event will occur on some specified future date. A way of making the estimate is to calculate the proportion of time that the event occurred in previous years. There exist large environmental data bases that can be used to make such estimates. Because these data bases are so large, summaries are usually utilized. USAFETAC, Air Weather Service, regularly produces, for a large number of stations, a "Revised Uniform Summary of Surface Weather Observations". These "RUSSWO's" provide a very convenient summary and are widely utilized.

In this report we make use of the Burr Curve with three parameters to effectively compact data on ceiling for a number of locations. The data used to develop the models was extracted from the "Revised Uniform Summary of Surface Weather Observations" (RUSSWO's) prepared by the Data Processing Division of the Air Weather Service, or by the "Summary of Meteorological Observations, "Surface" (SMOS) prepared by the Naval Weather Service Detachment.

In general, for each station, 96 sets of parameter values were found, for each three-hour period of the day for each of the twelve months.

## 2. MODELING CEILING

An elementary, but useful method of developing a model for data is the following. First make a histogram of the data and then "smooth" the histogram to get a frequency distribution (probability density function). The probability of a value of the variable less than some fixed amount is then estimated by the proportion of the area under the frequency distribution to the left of that amount.

There are usually a number of curves or distributions which can be used to fit the data. In this report, we use the three parameter "Burr Curve." The cumulative distribution function of the Burr Curve is in closed form. That is, probabilities can be obtained by direct substitution and no numerical integration or other approximations are required. The cumulative distribution function is given by

$$F(x) = 1 - \left(1+(x/c)^{a}\right)^{-b} \qquad a,b,c>0$$

Separate values of a, b and c for each station for each three-hour period, for each month are estimated. These parameter estimates are tabulated in Section 6.

## 3. ESTIMATION OF THE PARAMETERS OF THE MODEL

As in the previous Scientific Reports in this series, we chose to estimate the model parameters by a regression of the empirical cumulative distribution function on the model cumulative distribution function.* By that, we mean that the estimates of the parameters are those which minimize the sum of squares of the differences between the empirical cumulative distribution function and the model cumulative distribution function (Burr Curve) over all the values for ceiling which form the interior boundaries between categories. In this case, the values (feet) were 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 1800, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 6000, 7000, 8000, 9000, 10000, 12000, 14000, 16000, 18000, 20000.

Since our object is not to estimate the parameters of the Burr Curve for their own sake, but only as a means of obtaining probabilities, the method has considerable intuitive appeal. It does indeed have a number of desirable properties which the authors intend to develop in a separate publication at a later date.

* A more detailed description of the method is planned for Scientific Report Number 8 to be titled "Use of Non-linear Regression to Estimate a Cumulative Distribution Function."

| x (feet) | Prob (X< x) | | Difference |
|---|---|---|---|
| | Empirical | Model | |
| 20,000 | .579 | .570 | .009 |
| 18,000 | .575 | .555 | .020 |
| 16,000 | .568 | .538 | .030 |
| 14,000 | .547 | .518 | .029 |
| 12,000 | .514 | .494 | .020 |
| 10,000 | .448 | .465 | -.017 |
| 9,000 | .425 | .447 | -.022 |
| 8,000 | .385 | .426 | -.041 |
| 7,000 | .357 | .403 | -.046 |
| 6,000 | .346 | .375 | -.029 |
| 5,000 | .327 | .341 | -.014 |
| 4,500 | .313 | .321 | -.008 |
| 4,000 | .288 | .298 | -.010 |
| 3,500 | .278 | .273 | .005 |
| 3,000 | .265 | .244 | .021 |
| 2,500 | .247 | .211 | .036 |
| 2,000 | .201 | .172 | .029 |
| 1,800 | .188 | .155 | .033 |
| 1,500 | .140 | .127 | .013 |
| 1,200 | .098 | .098 | -.000 |
| 1,000 | .069 | .078 | -.009 |
| 900 | .064 | .068 | -.004 |
| 800 | .048 | .058 | -.010 |
| 700 | .032 | .048 | -.016 |
| 600 | .022 | .038 | -.016 |
| 500 | .010 | .029 | -.019 |
| 400 | .003 | .021 | -.018 |
| 300 | .001 | .013 | -.012 |
| 200 | .001 | .007 | -.006 |
| 100 | .001 | .002 | -.001 |

TABLE 3.1

Empirical vs Model Probabilities

Okinawa June 1000 Hours

| x (feet) | Prob (X< x) | | Difference |
|---|---|---|---|
| | Empirical | Model | |
| 20,000 | .674 | .673 | .001 |
| 18,000 | .669 | .657 | .011 |
| 16,000 | .646 | .639 | .007 |
| 14,000 | .570 | .618 | -.048 |
| 12,000 | .512 | .592 | -.080 |
| 10,000 | .495 | .560 | -.065 |
| 9,000 | .491 | .541 | -.050 |
| 8,000 | .488 | .519 | -.031 |
| 7,000 | .486 | .494 | -.008 |
| 6,000 | .480 | .464 | .016 |
| 5,000 | .471 | .428 | .043 |
| 4,500 | .460 | .407 | .053 |
| 4,000 | .460 | .383 | .077 |
| 3,500 | .459 | .356 | .103 |
| 3,000 | .456 | .326 | .130 |
| 2,500 | .439 | .291 | .148 |
| 2,000 | .203 | .250 | -.047 |
| 1,800 | .203 | .232 | -.029 |
| 1,500 | .072 | .202 | -.130 |
| 1,200 | .014 | .168 | -.154 |
| 1,000 | .002 | .144 | -.142 |
| 900 | .002 | .131 | -.129 |
| 800 | .002 | .118 | -.116 |
| 700 | .000 | .104 | -.104 |
| 600 | .000 | .090 | -.090 |
| 500 | .000 | .075 | -.075 |
| 400 | .000 | .060 | -.060 |
| 300 | .000 | .044 | -.044 |
| 200 | .000 | .029 | -.029 |
| 100 | .000 | .013 | -.013 |

TABLE 3.2

Empirical vs Model Probabilities

Saigon June 1000 Hours

Tables 3.1 and 3.2 illustrate the results using the method to obtain fits for Okinawa, June 1000 hours and for Saigon, June 1000 hours. A discussion of Tables 3.1 and 3.2 is given in the next section.

## 4. GOODNESS OF FIT OF THE MODELS

The goodness of fit of an individual model (specified station, month, and time of day) was measured in two ways. First, the root mean square of the difference between the empirical and model cumulative distribution functions at ceilings of 100, 200, ..., 18000, 20000 feet (the thirty values between adjacent categories in the RUSSWO's) was calculated. The overall root mean square (over all months and times of day) for a given station was also calculated. Second, the proportion of cases where the empirical and model probabilities differed by more than .01, or .02 was calculated. The two measures of goodness of fit for the modeled stations are given in Table 4.1.

It may be noted that the overall RMS of the fits varied from .010 at Scott AFB to .058 at Ascension Island. The four worst fits were for Ascension Island, Lajes Field, Saigon and Shemya, while the four best fits were for Bangor, Bedford, Patrick AFB and Scott AFB. It is strongly suspected that the data quality was a very significant factor in the goodness of fit of the data. As an example, referring to Table 3.2, Saigon June 1000 hours, it may be noted that the empirical (RUSSWO) values for the probability of ceiling values less than each of 1800 and 2000 feet were the same, while the value jumped considerably for 2500 feet. The same phenomenon was recorded for all months and all times of day for Saigon.

| STATION | OVERALL RMS | PROB 1* | PROB 2* |
|---|---|---|---|
| Ascension | .058 | .72 | .60 |
| Balboa | .0277 | .57 | .37 |
| Bangor | .014 | .51 | .16 |
| Bedford | .011 | .36 | .07 |
| Bermuda | .017 | .44 | .18 |
| Christchurch | .018 | .54 | .25 |
| Furmumaki | .022 | .61 | .30 |
| Goose | .018 | .53 | .24 |
| Hill AFB | .028 | .68 | .45 |
| Lajes Field | .040 | .65 | .46 |
| McMurdo | .021 | .60 | .31 |
| Midway | .032 | .61 | .39 |
| Mildenhall | .021 | .59 | .33 |
| Nenana | .015 | .36 | .14 |
| New Delhi | .017 | .30 | .12 |
| Okinawa | .020 | .47 | .23 |
| Patrick AFB | .011 | .27 | .08 |
| Saigon | .041 | .56 | .39 |
| Scott AFB | .010 | .25 | .08 |
| Shemya | .038 | .74 | .53 |
| Thule | .021 | .59 | .30 |
| Torrejon | .015 | .34 | .16 |
| Wake | .018 | .46 | .19 |

* Prob 1 and Prob 2 are the proportion of cases where the model and empirical probabilities differ by more than .01 and .02 respectively.

TABLE 4.1

GOODNESS OF FIT OF THE MODELS

| | TIME OF DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0000 -0200 | 0300 -0500 | 0600 -0800 | 0900 -1100 | 1200 -1400 | 1500 -1700 | 1800 -2000 | 2100 -2300 |
| Jan | .04 | .04 | .03 | .03 | .03 | .03 | .04 | .04 |
| Feb | .03 | .03 | .02 | .02 | .02 | .02 | .03 | .03 |
| Mar | .02 | .02 | .02 | .01 | .02 | .02 | .02 | .02 |
| Apr | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 |
| May | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 |
| June | .02 | .02 | .02 | .02 | .02 | .02 | .02 | .02 |
| July | .01 | .01 | .02 | .02 | .02 | .02 | .02 | .01 |
| Aug | .01 | .01 | .02 | .02 | .03 | .02 | .02 | .02 |
| Sept | .01 | .01 | .01 | .02 | .03 | .03 | .01 | .01 |
| Oct | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 |
| Nov | .01 | .01 | .01 | .01 | .01 | .01 | .01 | .01 |
| Dec | .02 | .02 | .02 | .02 | .02 | .01 | .02 | .02 |

TABLE 4.2

RMS OF MODEL FITS

OKINAWA

| | TIME OF DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0000 -0200 | 0300 -0500 | 0600 -0800 | 0900 -1100 | 1200 -1400 | 1500 -1700 | 1800 -2000 | 2100 -2300 |
| Jan | .01 | .01 | .01 | .01 | .03 | .02 | .01 | .01 |
| Feb | .01 | .01 | .01 | .01 | .02 | .01 | .01 | .01 |
| Mar | .01 | .02 | .01 | .04 | .06 | .01 | .01 | .00 |
| Apr | .02 | .02 | .01 | .10 | .09 | .01 | .01 | .01 |
| May | .03 | .03 | .02 | .07 | .07 | .04 | .04 | .04 |
| June | .03 | .03 | .03 | .08 | .06 | .04 | .05 | .04 |
| July | .04 | .04 | .04 | .07 | .08 | .05 | .06 | .05 |
| Aug | .04 | .04 | .04 | .07 | .07 | .05 | .06 | .05 |
| Sept | .05 | .04 | .04 | .08 | .07 | .06 | .05 | .05 |
| Oct | .03 | .02 | .02 | .05 | .06 | .04 | .04 | .05 |
| Nov | .02 | .02 | .02 | .03 | .06 | .02 | .02 | .02 |
| Dec | .01 | .01 | .01 | .02 | .05 | .03 | .03 | .02 |

TABLE 4.3

RMS OF MODEL FITS

SAIGON

In the cases of Ascension, Lajes Field and Shemya, the same empirical probabilities were almost always recorded for ceilings between 10,000 and 20,000 feet (and especially between 16,000 and 20,000 feet) for a given station, month and time of day. For the four "best" stations, on the other hand, no data "anomalies" were observed.

Because of the apparent data anomalies, we believe that for many cases the model probabilities may be closer to the "correct probabilities" than the RUSSWO values. Thus the overall RMS values, as given in the TABLE 4.1, may be misleading, especially for the stations with large RMS values. The model tends to smooth out the anomalies and improve on the empirical probabilities. Thus the values for the overall RMS may not represent how good our model is, but instead be a measure of the quality of the data.

Tables 4.2 and 4.3 give a breakdown of the RMS of the fits by month and time of day for Okinawa and Saigon. Okinawa was selected because it represents the station with the median RMS value. Saigon was selected because it had one of the largest RMS values. For Saigon, it may be noted that for the months April through October the fits for 1000 and 1300 hours stand out as being the poorest. An examination of the data in the RUSSWO's and the individual model fits shows that a large contributor to this phenomenon was the aforemention data anomalies in the 1800 to 2500 feet ceiling range.

## 5. USE OF THE MODELS

Suppose one wishes to find the probability that the ceiling is less than 1000, 5000, 11000, and 15000 feet at Mildenhall for May 1900 hours. Using the appropriate table in Section 6, we find that a = 2.45046, b =.164914, c = 2500. Substituting these values in the model

$$\text{Prob}\,[X \leq x] = 1 - \left(1+(x/c)^{a}\right)^{-b}$$

we estimate the required probabilities at .016, .265, .453 and .516.

We can compare these with the empirical probabilities of the RUSSWO for 1000 and 5000 feet. The values are .022 and .262 respectively, and they compare favorably with the model values of .016 and .265.

It should be noted that our models can be used to estimate $P[X \leq x]$ for any value of x (windspeed in feet) including values converted from the metric system, and not just the end points of the intervals listed in the RUSSWO's.

## 6. TABLES OF COEFFICIENTS OF THE INDIVIDUAL MODELS

PARAMETERS FOR BURR DISTRIBUTION - CEILING

ASCENSION IS

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.90874 | 3.09169 | 4.5254 | 6.23154 | 8.27791 | 3.9487 | 2.0502 | 1.62967 |
| B | 0.183794 | 0.160315 | 0.123591 | 0.0836567 | 0.0520151 | 0.0886562 | 0.156257 | 0.179062 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.36851 | 1.50752 | 2.2443 | 1.65499 | 1.62347 | 1.19723 | 1.52952 | 1.25125 |
| B | 0.145815 | 0.164246 | 0.132937 | 0.145618 | 0.131766 | 0.163398 | 0.139927 | 0.13499 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.07016 | 1.05905 | 1.37525 | 1.44086 | 1.56116 | 1.18029 | 1.1344 | 0.861555 |
| B | 0.161132 | 0.208316 | 0.196958 | 0.158106 | 0.138317 | 0.158416 | 0.142195 | 0.153192 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.55729 | 1.6789 | 1.9665 | 1.81019 | 1.44259 | 1.45651 | 1.51006 | 1.29757 |
| B | 0.159518 | 0.17428 | 0.16408 | 0.158784 | 0.19627 | 0.190602 | 0.151545 | 0.159554 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.4347 | 1.30396 | 1.51819 | 1.78378 | 1.28811 | 1.28513 | 1.04074 | 0.908529 |
| B | 0.150485 | 0.185848 | 0.186198 | 0.148023 | 0.188844 | 0.168423 | 0.151987 | 0.161662 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.97448 | 2.14912 | 3.32575 | 3.63441 | 2.28711 | 1.65598 | 0.97525 | 1.04634 |
| B | 0.126357 | 0.159347 | 0.125385 | 0.0930696 | 0.136721 | 0.189558 | 0.241719 | 0.195365 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.63048 | 20.9355 | 11.4726 | 12.6317 | 7.24248 | 2.93425 | 1.97378 | 1.64367 |
| B | 0.171497 | 0.0182677 | 0.0402335 | 0.0289466 | 0.0425957 | 0.107085 | 0.126436 | 0.151172 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 6.90969 | 7.25022 | 10.1551 | 1.67421 | 11. 3 | 5.25832 | 2.57425 | 3.32958 |
| B | 0.0774972 | 0.0909797 | 0.0748282 | 0.667499 | 0.0396109 | 0.0779458 | 0.162929 | 0.130463 |
| C | 2000 | 2000 | 2000 | 5000 | 2000 | 2000 | 2000 | 2000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 8.36704 | 11.3948 | 2.75326 | 2.55356 | 2.07768 | 7.24964 | 5.27272 | 6.49072 |
| B | 0.118056 | 0.108229 | 1.54907 | 1.16103 | 0.9407 | 0.0985111 | 0.139511 | 0.120483 |
| C | 2000 | 2000 | 5000 | 5000 | 5000 | 2000 | 2000 | 2000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 9.06968 | 11.1101 | 2.90191 | 2.97119 | 2.16008 | 6.55193 | 5.21207 | 7.44639 |
| B | 0.129931 | 0.120574 | 2.00196 | 1.50554 | 1.055 | 0.132602 | 0.1775 | 0.140158 |
| C | 2000 | 2000 | 5000 | 5000 | 5000 | 2000 | 2000 | 2000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 12.9543 | 12.693 | 3.29565 | 2.37832 | 1.69017 | 10.6433 | 9.33235 | 11.778 |
| B | 0.0815741 | 0.100506 | 1.97875 | 1.22035 | 0.901616 | 0.0775312 | 0.0917071 | 0.76064 |
| C | 2000 | 2000 | 5000 | 5000 | 5000 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 7.85766 | 7.31817 | 9.36609 | 1.60979 | 1.5034 | 7.90859 | 4.62792 | 4.72918 |
| B | 0.0740284 | 0.102831 | 0.0879406 | 0.826122 | 0.692824 | 0.0692093 | 0.111243 | 0.0986225 |
| C | 2000 | 2000 | 2000 | 5000 | 5000 | 2000 | 2000 | 2000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

BALBOA

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.53477 | 1.43093 | 5.39575 | 2.61855 | 1.84422 | 2.00565 | 1.47192 | 1.56648 |
| B | 0.0548479 | 0.0685752 | 0.0158518 | 0.0521484 | 0.130945 | 0.0912379 | 0.091063 | 0.0849332 |
| C | 5000 | 5000 | 2000 | 2000 | 2000 | 2000 | 5000 | 10000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.73719 | 2.24901 | 2.48619 | 1.80943 | 1.72396 | 2.31644 | 2.75668 | 2.21547 |
| B | 0.0192691 | 0.0313851 | 0.0335926 | 0.0719396 | 0.151 | 0.0778932 | 0.0236449 | 0.0180602 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.0946 | 1.16838 | 1.29855 | 1.41655 | 22.5142 | 2.45533 | 2.39418 | 1.09478 |
| B | 0.077461 | 0.0977079 | 0.113874 | 0.112607 | 0.0138329 | 0.0850481 | 0.028144 | 0.0549457 |
| C | 5000 | 5000 | 5000 | 2000 | 2000 | 2000 | 2000 | 5000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.43193 | 1.35111 | 1.71188 | 14.4276 | 12.1437 | 12.3412 | 1.50469 | 1.53525 |
| B | 0.0846734 | 0.11462 | 0.137926 | 0.0174052 | 0.0378126 | 0.0254479 | 0.116359 | 0.0713476 |
| C | 5000 | 5000 | 5000 | 2000 | 2000 | 2000 | 5000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.26912 | 1.44819 | 1.36868 | 2.90843 | 2.28279 | 2.60478 | 1.11387 | 1.17334 |
| B | 0.433504 | 0.266289 | 0.563412 | 0.115437 | 0.200097 | 0.172009 | 5.77253 | 4.15721 |
| C | 10000 | 5000 | 10000 | 2000 | 2000 | 2000 | 10000 | 10000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.03027 | 0.98756 | 1.03882 | 1.00347 | 1.3331 | 1.01792 | 1.15468 | 1.16173 |
| B | 3.47619 | 2.08161 | 4.70569 | 5.14625 | 0.459919 | 6.50102 | 6.77495 | 4.47884 |
| C | 100000 | 50000 | 100000 | 100000 | 5000 | 100000 | 100000 | 100000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.53847 | 1.20134 | 1.25337 | 1.14541 | 2.31595 | 1.14189 | 1.42972 | 1.66842 |
| B | 6.21748 | 3.965 | 5.02458 | 4.94626 | 0.153414 | 7.17289 | 9.87071 | 9.23209 |
| C | 100000 | 100000 | 100000 | 100000 | 2000 | 100000 | 100000 | 100000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.25478 | 1.13094 | 1.10813 | 1.00526 | 2.05[illegible]7 | 1.1162 | 1.38384 | 1.39614 |
| B | 3.97668 | 3.61659 | 4.37684 | 4.36473 | 0.175794 | 7.17621 | 9.01498 | 5.89738 |
| C | 100000 | 100000 | 100000 | 100000 | 2000 | 100000 | 100000 | 100000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.21385 | 1.06227 | 1.11319 | 0.936262 | 0.97514 | 1.05512 | 1.22845 | 1.44492 |
| B | 4.20128 | 3.20032 | 4.37954 | 3.9436 | 1.38302 | 5.78071 | 6.80434 | 7.42779 |
| C | 100000 | 100000 | 100000 | 100000 | 25000 | 100000 | 100000 | 100000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.09647 | 0.925618 | 0.935026 | 0.92733 | 1.63176 | 1.09643 | 1.01454 | 1.29448 |
| B | 3.72162 | 2.86043 | 3.64365 | 2.40095 | 0.22683 | 0.995917 | 5.77521 | 6.2984 |
| C | 100000 | 100000 | 100000 | 50000 | 2000 | 10000 | 100000 | 100000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.10927 | 0.837765 | 0.940248 | 1.0011 | 1.67302 | 1.05226 | 1.10554 | 1.25852 |
| B | 3.34009 | 2.24981 | 2.92565 | 1.3327 | 0.270687 | 2.03985 | 5.69474 | 4.58409 |
| C | 100000 | 100000 | 100000 | 25000 | 2000 | 25000 | 100000 | 100000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.90417 | 0.916421 | 1.02397 | 2.06536 | 1.75522 | 2.15203 | 1.0259 | 0.949726 |
| B | 0.249243 | 0.830308 | 0.650547 | 0.0932586 | 0.190217 | 0.128084 | 0.696458 | 1.46107 |
| C | 10000 | 50000 | 25000 | 2000 | 2000 | 2000 | 25000 | 100000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

BANGOR

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.28751 | 1.34736 | 1.17348 | 1.23829 | 1.34696 | 1.35049 | 1.30706 | 1.28549 |
| B | 0.176122 | 0.181322 | 0.267228 | 0.199992 | 0.184518 | 0.184796 | 0.178859 | 0.177912 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 1000 | 1000 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.15194 | 1.15478 | 0.987806 | 1.25297 | 1.48862 | 1.25552 | 1.17863 | 1.11195 |
| B | 0.180171 | 0.188668 | 0.275346 | 0.179757 | 0.162151 | 0.186173 | 0.173682 | 0.177211 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.10501 | 1.10152 | 1.08697 | 1.49857 | 1.32595 | 1.2415 | 1.03674 | 1.07223 |
| B | 0.24116 | 0.257701 | 0.268265 | 0.175031 | 0.247085 | 0.247644 | 0.296385 | 0.231605 |
| C | 1500 | 1500 | 1500 | 1000 | 1500 | 1500 | 2000 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.04432 | 1.07191 | 1.09409 | 1.3953 | 1.43359 | 1.3328 | 1.16134 | 1.03067 |
| B | 0.286608 | 0.253371 | 0.251178 | 0.218662 | 0.273117 | 0.302313 | 0.296225 | 0.291712 |
| C | 1500 | 1000 | 1000 | 1000 | 1500 | 2000 | 2000 | 2000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 0.612311 | 0.618258 | 0.941509 | 1.31062 | 1.92191 | 1.61746 | 0.893987 | 0.672258 |
| B | 0.737809 | 0.61992 | 0.267402 | 0.250986 | 0.192951 | 0.2442 | 0.772925 | 0.703899 |
| C | 10000 | 5000 | 1000 | 1500 | 1500 | 2000 | 10000 | 10000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 0.487243 | 0.54096 | 0.87131 | 1.48268 | 1.9075 | 1.51385 | 0.941718 | 0.679969 |
| B | 0.686278 | 0.644787 | 0.27672 | 0.173862 | 0.178512 | 0.20651 | 0.427211 | 0.465051 |
| C | 10000 | 5000 | 1000 | 1000 | 1500 | 2000 | 5000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 0.445937 | 0.451431 | 0.722745 | 1.33609 | 1.68656 | 1.14995 | 0.800925 | 0.546792 |
| B | 0.612282 | 0.719889 | 0.277426 | 0.159382 | 0.202357 | 0.365334 | 0.543033 | 0.564905 |
| C | 10000 | 10000 | 1000 | 1000 | 2000 | 5000 | 10000 | 10000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 0.526068 | 0.488387 | 0.630193 | 1.25835 | 1.65973 | 1.29637 | 0.914797 | 0.599673 |
| B | 0.585887 | 0.665521 | 0.368774 | 0.163498 | 0.201868 | 0.341823 | 0.548614 | 0.496473 |
| C | 10000 | 10000 | 2000 | 1000 | 2000 | 5000 | 10000 | 10000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 0.651524 | 0.588825 | 0.755281 | 1.23314 | 1.60612 | 1.31118 | 0.713363 | 0.704852 |
| B | 0.247529 | 0.292274 | 0.270014 | 0.185495 | 0.173737 | 0.196247 | 0.557267 | 0.285917 |
| C | 1000 | 1000 | 1000 | 1000 | 1500 | 2000 | 10000 | 2000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 0.990504 | 0.887024 | 0.929157 | 1.23513 | 1.27438 | 1.07669 | 0.927266 | 0.924689 |
| B | 0.211652 | 0.246735 | 0.253756 | 0.200705 | 0.222582 | 0.259045 | 0.275777 | 0.253933 |
| C | 1000 | 1000 | 1000 | 1000 | 1500 | 2000 | 2000 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.1005 | 1.07017 | 0.930307 | 1.17357 | 1.39953 | 1.32023 | 1.13208 | 1.11023 |
| B | 0.256498 | 0.273114 | 0.395941 | 0.300624 | 0.252298 | 0.238999 | 0.256484 | 0.254808 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 1000 | 1000 | 1000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.16051 | 1.16996 | 0.999021 | 1.0646 | 1.21323 | 1.17874 | 1.21209 | 1.18685 |
| B | 0.207753 | 0.207163 | 0.32615 | 0.314613 | 0.242117 | 0.243559 | 0.178543 | 0.191103 |
| C | 1000 | 1000 | 2000 | 2000 | 1500 | 1500 | 1000 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

BEDFORD

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.02693 | 1.14356 | 1.22107 | 1.19904 | 1.16779 | 0.968159 | 1.06902 | 1.06048 |
| B | 0.205246 | 0.204457 | 0.201941 | 0.189628 | 0.192682 | 0.255297 | 0.18968 | 0.188926 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1500 | 1000 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 0.905743 | 1.03294 | 1.14725 | 1.25359 | 1.36846 | 1.08552 | 0.995623 | 0.914175 |
| B | 0.213934 | 0.206272 | 0.186151 | 0.173193 | 0.166385 | 0.218666 | 0.175217 | 0.192916 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1500 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.05088 | 0.972003 | 0.938285 | 1.22966 | 1.67315 | 1.25131 | 1.19078 | 0.989467 |
| B | 0.196476 | 0.210556 | 0.27541 | 0.194538 | 0.161913 | 0.235244 | 0.16801 | 0.233913 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 1500 | 1000 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 0.912714 | 0.884679 | 1.04007 | 1.52565 | 1.67806 | 1.52041 | 1.21081 | 1.04862 |
| B | 0.315584 | 0.291389 | 0.222664 | 0.174783 | 0.203082 | 0.236454 | 0.25042 | 0.272497 |
| C | 2000 | 1500 | 1000 | 1000 | 1500 | 2000 | 2000 | 2000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 0.719513 | 0.624783 | 0.950899 | 1.41674 | 1.58398 | 1.434 | 0.899979 | 0.833415 |
| B | 0.31839 | 0.546617 | 0.218394 | 0.158625 | 0.184971 | 0.223406 | 0.44355 | 0.274163 |
| C | 2000 | 5000 | 1000 | 1000 | 1500 | 2000 | 5000 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 0.592261 | 0.597938 | 0.813483 | 1.54496 | 2.03598 | 1.55307 | 0.995186 | 0.710227 |
| B | 0.584692 | 0.635567 | 0.279046 | 0.119887 | 0.128546 | 0.160333 | 0.314535 | 0.485865 |
| C | 10000 | 10000 | 2000 | 1000 | 1500 | 2000 | 5000 | 10000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 0.601436 | 0.601379 | 0.694657 | 1.82781 | 1.87266 | 2.03856 | 0.976386 | 0.767918 |
| B | 0.442335 | 0.544976 | 0.407219 | 0.0931689 | 0.156392 | 0.107845 | 0.391779 | 0.382943 |
| C | 10000 | 10000 | 5000 | 1000 | 2000 | 2000 | 10000 | 10000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 0.660208 | 0.61309 | 0.647948 | 1.48919 | 1.84785 | 1.54475 | 0.849213 | 0.745719 |
| B | 0.345079 | 0.542738 | 0.603891 | 0.128555 | 0.145588 | 0.153302 | 0.422795 | 0.310471 |
| C | 5000 | 10000 | 10000 | 1000 | 1500 | 2000 | 10000 | 5000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 0.753919 | 0.621441 | 0.795643 | 1.27185 | 1.46063 | 1.24934 | 0.839697 | 0.690314 |
| B | 0.206611 | 0.292343 | 0.22542 | 0.15522 | 0.158893 | 0.168496 | 0.335671 | 0.352821 |
| C | 1000 | 1500 | 1000 | 1000 | 1500 | 2000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 0.850889 | 0.724804 | 0.755298 | 1.15819 | 1.51187 | 1.24898 | 1.2799 | 0.889903 |
| B | 0.179021 | 0.212593 | 0.277857 | 0.167594 | 0.123454 | 0.153728 | 0.113442 | 0.191953 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 1500 | 1000 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 0.966958 | 1.02384 | 0.961756 | 1.30679 | 1.52043 | 1.53853 | 1.13353 | 1.2445 |
| B | 0.270055 | 0.208781 | 0.289769 | 0.190338 | 0.161145 | 0.147912 | 0.217496 | 0.164847 |
| C | 1500 | 1000 | 1500 | 1000 | 1000 | 1000 | 1500 | 1000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.12067 | 1.19765 | 0.84219 | 0.86857 | 1.16492 | 1.01533 | 1.24567 | 1.17452 |
| B | 0.179177 | 0.165325 | 0.473418 | 0.457272 | 0.210351 | 0.244673 | 0.147622 | 0.163158 |
| C | 1000 | 1000 | 5000 | 5000 | 1500 | 2000 | 1000 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

BERMUDA

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 3.2579 | 4.19381 | 4.19363 | 2.58988 | 3.30942 | 2.9167 | 3.15258 | 3.50974 |
| B | 0.112473 | 0.0971912 | 0.110116 | 0.1792 | 0.1195 | 0.131045 | 0.131234 | 0.10183 |
| C | 2000 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.96787 | 3.31178 | 3.35507 | 2.51212 | 2.96957 | 2.82429 | 3.09975 | 2.95328 |
| B | 0.156257 | 0.15474 | 0.15866 | 0.231851 | 0.146616 | 0.16381 | 0.157453 | 0.156236 |
| C | 2000 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.61083 | 2.6012 | 2.89456 | 2.695 | 2.36713 | 2.24426 | 2.7694 | 2.78487 |
| B | 0.16077 | 0.18857 | 0.176983 | 0.151186 | 0.161107 | 0.16768 | 0.149681 | 0.134183 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.09134 | 2.17654 | 1.97683 | 2.84492 | 2.54109 | 1.85797 | 1.93272 | 2.15759 |
| B | 0.131939 | 0.138112 | 0.1849 | 0.0905251 | 0.0885364 | 0.121272 | 0.132648 | 0.117115 |
| C | 1500 | 1500 | 2000 | 1500 | 1500 | 1500 | 1500 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.97618 | 1.86756 | 2.55908 | 1.84668 | 1.81018 | 1.93943 | 2.17903 | 1.91599 |
| B | 0.0977109 | 0.126272 | 0.0892755 | 0.123478 | 0.112599 | 0.109607 | 0.0857836 | 0.0929641 |
| C | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 | 1000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.63239 | 1.84753 | 2.3971 | 2.4187 | 1.50652 | 2.84636 | 2.32574 | 1.808 |
| B | 0.118541 | 0.121159 | 0.0969311 | 0.0835413 | 0.171495 | 0.0679061 | 0.084495 | 0.0953098 |
| C | 1000 | 1000 | 1000 | 1000 | 2000 | 1000 | 1000 | 1000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.38838 | 1.72364 | 2.23606 | 2.18322 | 1.56572 | 1.23218 | 1.22499 | 1.30782 |
| B | 0.0610398 | 0.0509045 | 0.0434582 | 0.0375013 | 0.076592 | 0.221933 | 0.211829 | 0.0902131 |
| C | 3000 | 2000 | 1500 | 1000 | 2500 | 10000 | 10000 | 5000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.7288 | 2.68842 | 1.53382 | 1.23782 | 1.71273 | 1.16693 | 1.33192 | 1.37244 |
| B | 0.047788 | 0.0292537 | 0.0890242 | 0.147668 | 0.0781504 | 0.206079 | 0.208482 | 0.144971 |
| C | 2500 | 1500 | 3000 | 5000 | 2500 | 8000 | 10000 | 10000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 6.37883 | 2.56531 | 1.47227 | 1.43503 | 1.18521 | 1.1796 | 1.11319 | 2.2348 |
| B | 0.0137324 | 0.0463246 | 0.176926 | 0.192998 | 0.269687 | 0.253387 | 0.272293 | 0.0445104 |
| C | 1000 | 1500 | 5000 | 5000 | 8000 | 8000 | 10000 | 1500 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.41589 | 2.26443 | 1.51939 | 1.44525 | 1.38745 | 1.4985 | 1.45646 | 2.0404 |
| B | 0.0887646 | 0.0944011 | 0.278477 | 0.282306 | 0.275836 | 0.25596 | 0.265883 | 0.120751 |
| C | 2000 | 2000 | 5000 | 5000 | 5000 | 5000 | 5000 | 2500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.64208 | 4.2306 | 4.28492 | 2.77917 | 3.25844 | 3.28385 | 3.64352 | 3.36595 |
| B | 0.112938 | 0.0624439 | 0.0653811 | 0.113285 | 0.0878258 | 0.0876324 | 0.0764156 | 0.0754049 |
| C | 2500 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 3.83812 | 4.52755 | 2.83721 | 4.15234 | 3.12875 | 3.01532 | 3.43595 | 3.77769 |
| B | 0.0882559 | 0.0760885 | 0.159645 | 0.0892688 | 0.11077 | 0.111748 | 0.0976528 | 0.0794817 |
| C | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 | 2000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

CHRISTCHURCH

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.84835 | 1.63411 | 1.2934 | 1.69612 | 2.20234 | 2.06978 | 1.6092 | 1.33815 |
| B | 0.142909 | 0.173648 | 0.262271 | 0.173067 | 0.105296 | 0.0985768 | 0.15586 | 0.230393 |
| C | 1000 | 1000 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.52878 | 1.38818 | 1.23577 | 2.74698 | 2.41829 | 2.05762 | 1.76412 | 1.39653 |
| B | 0.159677 | 0.200506 | 0.294788 | 0.0960196 | 0.0956952 | 0.104246 | 0.148229 | 0.19558 |
| C | 1000 | 1000 | 1500 | 1000 | 1500 | 1500 | 1500 | 1500 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.36633 | 1.36182 | 1.47818 | 1.82966 | 1.5345 | 1.8669 | 1.33479 | 1.46295 |
| B | 0.196568 | 0.201409 | 0.209957 | 0.15705 | 0.193061 | 0.137946 | 0.22009 | 0.18338 |
| C | 1000 | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.82156 | 1.54741 | 1.67496 | 1.41714 | 1.59729 | 1.56014 | 1.79627 | 1.91904 |
| B | 0.144725 | 0.171753 | 0.162423 | 0.201758 | 0.157615 | 0.135272 | 0.111887 | 0.114869 |
| C | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 | 1000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.44021 | 1.34826 | 1.64724 | 1.32665 | 1.31717 | 1.31127 | 1.55686 | 1.29928 |
| B | 0.176647 | 0.183432 | 0.16134 | 0.23917 | 0.220363 | 0.198512 | 0.147219 | 0.191444 |
| C | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 | 1000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.39595 | 1.02306 | 1.42566 | 1.22744 | 1.26758 | 1.10079 | 0.954115 | 1.09027 |
| B | 0.153218 | 0.226335 | 0.159955 | 0.208256 | 0.180787 | 0.205396 | 0.297669 | 0.233491 |
| C | 1000 | 1500 | 1000 | 1500 | 1500 | 2000 | 3000 | 1500 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.46959 | 1.2625 | 1.30497 | 1.18357 | 1.48258 | 1.27257 | 1.47383 | 1.45671 |
| B | 0.147095 | 0.211626 | 0.222123 | 0.250306 | 0.153 | 0.187972 | 0.134166 | 0.139098 |
| C | 1000 | 1500 | 1500 | 1500 | 1000 | 1500 | 1000 | 1000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.12587 | 1.11753 | 0.891413 | 1.26559 | 2.04262 | 1.50454 | 0.969916 | 0.953883 |
| B | 0.216465 | 0.172301 | 0.313392 | 0.175465 | 0.10383 | 0.132832 | 0.281619 | 0.314297 |
| C | 1500 | 1000 | 2000 | 1000 | 1000 | 1500 | 3000 | 3000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.57812 | 1.38878 | 0.94934 | 1.51794 | 2.7645 | 1.40465 | 1.09234 | 1.35355 |
| B | 0.146209 | 0.164006 | 0.292824 | 0.158658 | 0.0753664 | 0.17735 | 0.280507 | 0.18446 |
| C | 1000 | 1000 | 1500 | 1000 | 1000 | 2000 | 2500 | 1500 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.4688 | 1.17667 | 1.11649 | 1.56179 | 2.78269 | 1.81682 | 1.3154 | 1.62098 |
| B | 0.154605 | 0.190238 | 0.23728 | 0.148853 | 0.06711 | 0.108479 | 0.200164 | 0.131185 |
| C | 1500 | 1500 | 2000 | 1500 | 1500 | 2000 | 2500 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.48606 | 1.30052 | 1.31245 | 2.53184 | 1.84033 | 1.66762 | 1.69483 | 1.61133 |
| B | 0.155352 | 0.182441 | 0.187052 | 0.0791178 | 0.117909 | 0.138905 | 0.178595 | 0.186954 |
| C | 1500 | 1500 | 1500 | 1000 | 1500 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.74853 | 1.45275 | 2.08341 | 3.65736 | 2.06022 | 2.17409 | 1.55489 | 1.85879 |
| B | 0.161369 | 0.200101 | 0.144517 | 0.071995 | 0.115302 | 0.113518 | 0.199055 | 0.148183 |
| C | 1000 | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

FURUMAKI

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.91926 | 2.01406 | 2.08047 | 2.34141 | 2.47369 | 1.8441 | 2.19546 | 2.3772 |
| B | 0.278074 | 0.288959 | 0.292423 | 0.187348 | 0.19017 | 0.27504 | 0.183781 | 0.176161 |
| C | 2000 | 2000 | 2000 | 1500 | 1500 | 2000 | 1500 | 1500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.4482 | 2.3345 | 2.48818 | 2.05773 | 2.25656 | 1.84064 | 1.88859 | 2.41494 |
| B | 0.166958 | 0.186946 | 0.167697 | 0.18169 | 0.183294 | 0.213207 | 0.188385 | 0.157422 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.80903 | 2.09977 | 1.78185 | 1.94488 | 1.87057 | 1.71579 | 1.96864 | 1.97359 |
| B | 0.185473 | 0.140897 | 0.213131 | 0.158385 | 0.223911 | 0.237424 | 0.157089 | 0.147518 |
| C | 2000 | 1500 | 2000 | 1500 | 2000 | 2000 | 1500 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 0.910348 | 0.916929 | 1.08701 | 1.50301 | 1.41306 | 1.01267 | 0.867744 | 0.924623 |
| B | 0.33962 | 0.348043 | 0.29007 | 0.180497 | 0.233641 | 0.39034 | 0.435334 | 0.315169 |
| C | 3000 | 3000 | 2500 | 1500 | 2000 | 4000 | 5000 | 3000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 0.559512 | 0.649617 | 0.723378 | 0.839006 | 0.891194 | 0.849025 | 0.712152 | 0.578825 |
| B | 0.460619 | 0.513119 | 0.478159 | 0.447174 | 0.424989 | 0.450751 | 0.455903 | 0.446398 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 0.558374 | 0.592465 | 0.699311 | 0.935859 | 0.92808 | 0.853789 | 0.717403 | 0.625593 |
| B | 0.522011 | 0.553302 | 0.513469 | 0.365 | 0.327338 | 0.37324 | 0.431455 | 0.467015 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 0.484306 | 0.523825 | 0.596805 | 0.789631 | 0.951764 | 0.862 | 0.684753 | 0.545456 |
| B | 0.650445 | 0.701725 | 0.661329 | 0.460007 | 0.358543 | 0.395513 | 0.503156 | 0.569566 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 0.489241 | 0.512721 | 0.667684 | 0.98757 | 0.93179 | 0.836128 | 0.660081 | 0.535553 |
| B | 0.676485 | 0.812887 | 0.506213 | 0.321244 | 0.364883 | 0.484944 | 0.636916 | 0.692527 |
| C | 4000 | 5000 | 1500 | 1000 | 1500 | 2000 | 3000 | 4000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 0.89805 | 0.915336 | 1.00313 | 1.00458 | 1.08741 | 1.06547 | 0.992276 | 0.940403 |
| B | 0.48119 | 0.508984 | 0.519887 | 0.535407 | 0.518028 | 0.502235 | 0.502238 | 0.445384 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.55301 | 2.62386 | 2.72079 | 2.20535 | 2.25584 | 2.08785 | 1.82875 | 2.02918 |
| B | 0.0993648 | 0.100676 | 0.127845 | 0.16018 | 0.170236 | 0.165835 | 0.158992 | 0.138445 |
| C | 2000 | 2000 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 3.52487 | 2.74389 | 3.09258 | 2.56889 | 3.27544 | 3.01188 | 2.50863 | 2.26847 |
| B | 0.0977853 | 0.155464 | 0.154066 | 0.168237 | 0.146488 | 0.151524 | 0.155759 | 0.172518 |
| C | 2000 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.48492 | 2.09644 | 2.30661 | 2.70904 | 2.76602 | 2.51876 | 2.4702 | 2.58367 |
| B | 0.167089 | 0.246364 | 0.255576 | 0.165351 | 0.179224 | 0.197587 | 0.178759 | 0.171836 |
| C | 2000 | 2500 | 2500 | 2000 | 2000 | 2000 | 2000 | 2000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

GOOSE

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 2.00462 | 2.02877 | 2.34962 | 2.08323 | 2.15345 | 2.47749 | 2.35192 | 1.94177 |
| B | 0.132625 | 0.143259 | 0.126935 | 0.141975 | 0.128904 | 0.116738 | 0.117666 | 0.131885 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.03281 | 2.35585 | 1.79394 | 1.85409 | 2.52019 | 2.06592 | 1.90019 | 2.06823 |
| B | 0.116043 | 0.101605 | 0.173855 | 0.168625 | 0.102093 | 0.116699 | 0.121563 | 0.109263 |
| C | 1000 | 1000 | 1500 | 1500 | 1000 | 1000 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.53739 | 2.86764 | 2.7187 | 1.58041 | 2.03265 | 1.95458 | 2.6715 | 2.17368 |
| B | 0.114469 | 0.108204 | 0.119416 | 0.223444 | 0.172047 | 0.183257 | 0.104531 | 0.121439 |
| C | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1000 | 1000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.97894 | 1.89405 | 1.98946 | 3.1019 | 2.25965 | 2.6309 | 1.98962 | 2.55934 |
| B | 0.220146 | 0.259981 | 0.257338 | 0.130905 | 0.227614 | 0.196129 | 0.298821 | 0.172599 |
| C | 1500 | 1500 | 1500 | 1000 | 1500 | 1500 | 2000 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.67739 | 1.63657 | 1.86656 | 2.31577 | 3.38772 | 2.55766 | 2.27627 | 2.1307 |
| B | 0.265518 | 0.335298 | 0.267256 | 0.205684 | 0.13305 | 0.196348 | 0.208446 | 0.214658 |
| C | 2000 | 2000 | 1500 | 1500 | 1500 | 2000 | 2000 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.34059 | 1.30092 | 1.5193 | 2.54141 | 2.75221 | 2.42504 | 2.19021 | 1.80074 |
| B | 0.485209 | 0.555432 | 0.363427 | 0.210895 | 0.239404 | 0.293629 | 0.283623 | 0.286624 |
| C | 4000 | 4000 | 2000 | 1500 | 2000 | 2500 | 2500 | 2500 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.55396 | 1.53392 | 1.75568 | 2.25907 | 2.73749 | 2.68359 | 2.3833 | 1.93972 |
| B | 0.320625 | 0.342611 | 0.27525 | 0.266792 | 0.26812 | 0.293526 | 0.261678 | 0.272959 |
| C | 3000 | 2500 | 2000 | 2000 | 2500 | 3000 | 3000 | 3000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.30793 | 1.31473 | 1.49766 | 2.18926 | 2.98983 | 3.12726 | 2.14969 | 1.42533 |
| B | 0.395312 | 0.380361 | 0.402569 | 0.271656 | 0.276544 | 0.212001 | 0.28635 | 0.391193 |
| C | 4000 | 3000 | 3000 | 2000 | 2500 | 2500 | 3000 | 4000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.58137 | 2.14264 | 1.91116 | 2.50294 | 2.92661 | 2.96128 | 2.42547 | 1.59697 |
| B | 0.328765 | 0.205156 | 0.293506 | 0.250248 | 0.290439 | 0.235798 | 0.233299 | 0.385802 |
| C | 3000 | 2000 | 2500 | 2000 | 2500 | 2500 | 2500 | 4000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.05291 | 1.6284 | 1.75542 | 2.22096 | 2.35851 | 2.86906 | 2.48885 | 2.10048 |
| B | 0.233942 | 0.324377 | 0.416811 | 0.287949 | 0.314574 | 0.22779 | 0.198773 | 0.224556 |
| C | 2000 | 2500 | 3000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.00278 | 1.8969 | 1.97199 | 1.85813 | 2.20172 | 1.85804 | 1.61641 | 2.30985 |
| B | 0.225852 | 0.243336 | 0.258382 | 0.264815 | 0.257199 | 0.279106 | 0.300547 | 0.181378 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 2000 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.67073 | 3.56085 | 3.4866 | 1.79174 | 1.61939 | 1.75785 | 1.79828 | 3.07784 |
| B | 0.093516 | 0.0709447 | 0.0812912 | 0.193219 | 0.230561 | 0.176734 | 0.157344 | 0.0774941 |
| C | 1000 | 1000 | 1000 | 1500 | 2000 | 1500 | 1500 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

HONOLULU

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.89619 | 1.79176 | 2.12548 | 2.16869 | 2.00037 | 2.04314 | 2.03053 | 1.88026 |
| B | 0.131504 | 0.154161 | 0.147642 | 0.143183 | 0.153993 | 0.151264 | 0.135986 | 0.131693 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.0262 | 1.92166 | 2.12001 | 2.28371 | 2.3764 | 2.37584 | 1.94949 | 2.07503 |
| B | 0.121727 | 0.134328 | 0.138664 | 0.149228 | 0.15102 | 0.143837 | 0.15472 | 0.122043 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.73779 | 1.95473 | 1.95697 | 2.15125 | 2.19482 | 2.2617 | 2.07341 | 1.79292 |
| B | 0.148809 | 0.135381 | 0.150431 | 0.143595 | 0.148355 | 0.14442 | 0.138581 | 0.143736 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.01905 | 2.19009 | 2.21101 | 2.0742 | 2.13491 | 2.22222 | 1.87097 | 1.93725 |
| B | 0.13699 | 0.138445 | 0.134651 | 0.172431 | 0.161876 | 0.146986 | 0.153625 | 0.136455 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 2.14214 | 2.21972 | 2.32144 | 1.95486 | 1.95435 | 2.15127 | 2.13341 | 1.91172 |
| B | 0.096868 | 0.096692 | 0.100576 | 0.132048 | 0.146288 | 0.141054 | 0.119661 | 0.111333 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.2216 | 2.2399 | 1.97453 | 2.06093 | 1.64825 | 2.23131 | 2.09563 | 1.83361 |
| B | 0.0981815 | 0.108504 | 0.143191 | 0.160335 | 0.169886 | 0.116754 | 0.117736 | 0.118935 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.92382 | 1.87254 | 1.88115 | 1.78936 | 1.86482 | 1.86128 | 1.70263 | 1.52889 |
| B | 0.117887 | 0.128951 | 0.153932 | 0.172164 | 0.144806 | 0.128051 | 0.126318 | 0.128168 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| AUG | . | . | . | . | | . | . | . |
| A | 1.78533 | 1.94326 | 1.92486 | 1.67206 | 1.96283 | 1.86707 | 1.81795 | 1.62195 |
| B | 0.118277 | 0.121547 | 0.131431 | 0.17568 | 0.126878 | 0.112472 | 0.112802 | 0.117176 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.93366 | 1.99989 | 2.53416 | 1.91339 | 2.19004 | 2.26067 | 1.58732 | 1.7171 |
| B | 0.0818992 | 0.0865256 | 0.0749143 | 0.126923 | 0.107136 | 0.101374 | 0.10353 | 0.0816271 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.92363 | 2.12821 | 2.15045 | 2.10519 | 2.08112 | 2.261 | 1.99336 | 2.02254 |
| B | 0.101372 | 0.0895332 | 0.101216 | 0.128554 | 0.140536 | 0.130084 | 0.116473 | 0.0985755 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.04594 | 1.98543 | 2.1112 | 1.96271 | 2.0332 | 2.04932 | 1.89889 | 1.94208 |
| B | 0.119107 | 0.105312 | 0.111426 | 0.129324 | 0.145329 | 0.152126 | 0.135028 | 0.12003 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.88244 | 1.85881 | 2.09103 | 2.05643 | 1.99665 | 1.99171 | 1.89865 | 1.95826 |
| B | 0.145336 | 0.14958 | 0.151601 | 0.168874 | 0.17854 | 0.174579 | 0.154404 | 0.145821 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |

## PARAMETERS FOR BURR DISTRIBUTION - CEILING

### LAJES FIELD

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 3.50874 | 3.67857 | 4.5109 | 4.23174 | 4.52976 | 4.48047 | 4.31172 | 3.63418 |
| B | 0.174884 | 0.167758 | 0.149981 | 0.161932 | 0.150307 | 0.148623 | 0.145359 | 0.165465 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 5.45984 | 7.32694 | 3.03295 | 3.10468 | 5.79513 | 5.05001 | 4.08481 | 3.96438 |
| B | 0.107508 | 0.0829518 | 0.263616 | 0.256072 | 0.108001 | 0.118862 | 0.145604 | 0.139083 |
| C | 1500 | 1500 | 2000 | 2000 | 1500 | 1500 | 1500 | 1500 |
| MAR | . | . | . | . | . | . | . | . |
| A | 3.0336 | 3.33604 | 3.51261 | 3.74562 | 4.26808 | 3.88745 | 3.28311 | 3.36685 |
| B | 0.183991 | 0.175466 | 0.167785 | 0.155318 | 0.135227 | 0.142176 | 0.164702 | 0.16344? |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 4.82488 | 5.01917 | 3.13744 | 3.53059 | 3.17048 | 3.20527 | 4.4554 | 4.40101 |
| B | 0.108582 | 0.11706 | 0.256818 | 0.215389 | 0.205738 | 0.205848 | 0.114034 | 0.118975 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 2000 | 1500 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 3.94166 | 4.78074 | 3.18085 | 3.95698 | 4.3025 | 3.902 | 5.22604 | 3.68665 |
| B | 0.122712 | 0.116926 | 0.23896 | 0.174781 | 0.147883 | 0.153127 | 0.0921004 | 0.129167 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 2000 | 1500 | 1500 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 5.73571 | 3.74972 | 5.72174 | 6.33555 | 3.52021 | 2.77738 | 4.1877 | 6.02536 |
| B | 0.0623694 | 0.150138 | 0.101042 | 0.085985 | 0.180887 | 0.208837 | 0.112466 | 0.0543965 |
| C | 1000 | 1500 | 1500 | 1500 | 2000 | 2000 | 1500 | 1000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 3.68815 | 4.17094 | 5.23522 | 3.15994 | 4.11798 | 3.28244 | 8.86777 | 3.86346 |
| B | 0.112361 | 0.110437 | 0.0904102 | 0.180488 | 0.132892 | 0.149808 | 0.0453731 | 0.0968946 |
| C | 1500 | 1500 | 1500 | 2000 | 2000 | 2000 | 1500 | 1500 |
| AUG | . | . | . | . | . | . | . | . |
| A | 4.87413 | 6.58309 | 3.08083 | 3.4242 | 4.25764 | 3.23813 | 7.57404 | 4.86147 |
| B | 0.0708284 | 0.0575087 | 0.170961 | 0.143495 | 0.106022 | 0.129378 | 0.042652 | 0.0648161 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 2000 | 1500 | 1500 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 7.21093 | 8.43406 | 3.07119 | 3.49201 | 4.80667 | 4.02286 | 7.61197 | 7.95966 |
| B | 0.0467455 | 0.0404048 | 0.155099 | 0.140987 | 0.099372 | 0.113954 | 0.0437302 | 0.0423556 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 2000 | 1500 | 1500 |
| OCT | . | . | . | . | . | . | . | . |
| A | 3.93617 | 5.31004 | 2.95807 | 3.00545 | 3.3095 | 5.20648 | 4.47538 | 3.78621 |
| B | 0.137459 | 0.103345 | 0.248809 | 0.23559 | 0.204968 | 0.102417 | 0.117265 | 0.139033 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 1500 | 1500 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 4.45529 | 4.38916 | 5.5514 | 3.17481 | 3.56772 | 3.24132 | 5.80566 | 5.32109 |
| B | 0.13237 | 0.1356 | 0.118706 | 0.244932 | 0.225774 | 0.242415 | 0.103843 | 0.110319 |
| C | 1500 | 1500 | 1500 | 2000 | 2000 | 2000 | 1500 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 4.47955 | 4.70512 | 2.99127 | 2.96762 | 3.0778 | 5.27481 | 4.65462 | 5.4345 |
| B | 0.130891 | 0.130682 | 0.277605 | 0.262996 | 0.248462 | 0.117432 | 0.132479 | 0.107352 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 1500 | 1500 | 1500 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

MCMURDO

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.59715 | 1.5638 | 1.39462 | 1.49389 | 1.55668 | 1.67843 | 1.72741 | 1.93074 |
| B | 0.314819 | 0.295396 | 0.406784 | 0.32665 | 0.289987 | 0.256791 | 0.230436 | 0.225768 |
| C | 5000 | 4000 | 5000 | 4000 | 4000 | 4000 | 4000 | 4000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.21493 | 2.259 | 3.00888 | 2.34386 | 2.42044 | 2.5216 | 2.59261 | 2.47948 |
| B | 0.320733 | 0.334513 | 0.210234 | 0.30844 | 0.289896 | 0.267314 | 0.273698 | 0.280382 |
| C | 3000 | 3000 | 2500 | 3000 | 3000 | 3000 | 3000 | 3000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.874 | 2.32464 | 2.36951 | 2.23013 | 2.40441 | 2.33331 | 2.10479 | 2.3212 |
| B | 0.285526 | 0.250093 | 0.252223 | 0.238371 | 0.209446 | 0.212182 | 0.232768 | 0.241313 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.75065 | 2.58698 | 2.18662 | 2.64786 | 2.92691 | 2.8112 | 2.20668 | 2.41438 |
| B | 0.171932 | 0.100584 | 0.159551 | 0.156271 | 0.141332 | 0.153688 | 0.206168 | 0.124335 |
| C | 1500 | 1000 | 1500 | 1500 | 1500 | 1500 | 1500 | 1000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.50147 | 1.75286 | 1.5362 | 1.237 | 1.2822 | 1.35076 | 1.40572 | 1.77612 |
| B | 0.147915 | 0.132723 | 0.150679 | 0.177803 | 0.233539 | 0.245793 | 0.17961 | 0.122881 |
| C | 1500 | 1500 | 1500 | 1500 | 2000 | 2000 | 1500 | 1500 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 0.99794 | 0.980069 | 1.12976 | 1.15665 | 0.978985 | 0.92246 | 1.14768 | 1.09133 |
| B | 0.282215 | 0.320232 | 0.234578 | 0.22861 | 0.315525 | 0.422818 | 0.267146 | 0.272868 |
| C | 2000 | 2500 | 1500 | 1500 | 2000 | 3000 | 2000 | 2000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.35316 | 0.929842 | 0.97459 | 0.871043 | 1.13589 | 1.08543 | 1.39185 | 1.36446 |
| B | 0.178186 | 0.333875 | 0.297072 | 0.288852 | 0.255158 | 0.387881 | 0.198898 | 0.209796 |
| C | 2500 | 5000 | 5000 | 4000 | 3000 | 5000 | 3000 | 3000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.18435 | 1.09673 | 1.14113 | 1.29771 | 1.25833 | 1.68858 | 1.28713 | 1.30759 |
| B | 0.168805 | 0.196758 | 0.183959 | 0.178931 | 0.227559 | 0.146972 | 0.187772 | 0.179619 |
| C | 2000 | 2000 | 2000 | 1500 | 2000 | 1500 | 2000 | 2000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 0.796444 | 0.862562 | 1.0734 | 0.98343 | 1.04907 | 1.0952 | 1.01271 | 0.850299 |
| B | 0.433872 | 0.417151 | 0.465894 | 0.449354 | 0.409543 | 0.298263 | 0.435619 | 0.43671 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 3000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.61675 | 1.35935 | 1.27788 | 1.22535 | 1.15323 | 1.39827 | 1.42991 | 1.57892 |
| B | 0.198638 | 0.303834 | 0.313102 | 0.274439 | 0.3114 | 0.208187 | 0.230692 | 0.21546 |
| C | 2000 | 3000 | 3000 | 2500 | 3000 | 2000 | 2500 | 2500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.62352 | 2.43887 | 2.39689 | 2.00972 | 2.23621 | 2.72982 | 1.97512 | 2.13261 |
| B | 0.137724 | 0.148745 | 0.15874 | 0.233008 | 0.198149 | 0.13028 | 0.21341 | 0.201418 |
| C | 3000 | 3000 | 3000 | 4000 | 4000 | 3000 | 4000 | 4000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.89412 | 1.55875 | 1.70142 | 1.77205 | 1.70998 | 1.81176 | 1.81588 | 1.79736 |
| B | 0.267208 | 0.376053 | 0.354636 | 0.34186 | 0.320033 | 0.320191 | 0.332002 | 0.326827 |
| C | 4000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

MIDWAY

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 3.06429 | 3.13581 | 4.05665 | 4.60086 | 3.90163 | 3.76082 | 3.12414 | 2.76641 |
| B | 0.117808 | 0.117259 | 0.103246 | 0.0958436 | 0.108072 | 0.123302 | 0.15123 | 0.144255 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 3.42167 | 4.22535 | 2.21347 | 2.36445 | 4.84666 | 4.26975 | 3.48783 | 3.30744 |
| B | 0.0965482 | 0.0845031 | 0.220698 | 0.222122 | 0.0808511 | 0.0952649 | 0.129205 | 0.109083 |
| C | 1500 | 1500 | 2000 | 2000 | 1500 | 1500 | 1500 | 1500 |
| MAR | . | . | . | . | . | . | . | . |
| A | 4.6253 | 3.85269 | 4.2425 | 4.88617 | 4.73708 | 2.36367 | 2.28701 | 4.7324 |
| B | 0.100369 | 0.123383 | 0.142484 | 0.115848 | 0.0987522 | 0.240078 | 0.249894 | 0.0953227 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 2000 | 2000 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 3.26706 | 4.18174 | 4.80517 | 4.59725 | 4.49251 | 3.8544 | 3.78681 | 2.7621 |
| B | 0.124287 | 0.103783 | 0.105785 | 0.0948688 | 0.0918621 | 0.107301 | 0.124087 | 0.139507 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 2.44822 | 2.78916 | 2.08936 | 1.93807 | 3.30626 | 2.88011 | 2.9746 | 2.68073 |
| B | 0.112838 | 0.104595 | 0.216018 | 0.175961 | 0.0813453 | 0.0943625 | 0.100894 | 0.0950006 |
| C | 1500 | 1500 | 2000 | 2000 | 1500 | 1500 | 1500 | 1500 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.13002 | 1.96713 | 2.72224 | 2.64846 | 2.41865 | 2.92 | 2.92865 | 2.17549 |
| B | 0.105039 | 0.12093 | 0.118012 | 0.096148 | 0.0955557 | 0.0864618 | 0.0961832 | 0.0994894 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.83242 | 1.68138 | 2.27255 | 2.62848 | 2.98864 | 2.55575 | 2.76235 | 2.30339 |
| B | 0.074082 | 0.0859822 | 0.0955021 | 0.075536 | 0.061301 | 0.0770796 | 0.0600814 | 0.0511019 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.49766 | 1.45575 | 2.42074 | 2.53812 | 2.41994 | 2.30033 | 2.64568 | 2.33569 |
| B | 0.0613237 | 0.0745008 | 0.0696148 | 0.0567213 | 0.0559905 | 0.0569708 | 0.0486951 | 0.0392674 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.83032 | 1.65034 | 2.0278 | 2.16282 | 2.30056 | 2.7916 | 2.76086 | 2.1548 |
| B | 0.0582417 | 0.0686923 | 0.0835186 | 0.0714615 | 0.0671498 | 0.0584071 | 0.0581138 | 0.0602859 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.07066 | 2.02952 | 2.30479 | 3.24556 | 3.1322 | 2.69647 | 2.6719 | 2.4577 |
| B | 0.0898376 | 0.0966802 | 0.112976 | 0.0826191 | 0.0788223 | 0.0979562 | 0.104285 | 0.0865505 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.38265 | 2.26636 | 2.49042 | 3.16047 | 2.88362 | 2.50139 | 2.6138 | 2.40436 |
| B | 0.106657 | 0.11835 | 0.132389 | 0.107714 | 0.113368 | 0.13106 | 0.128056 | 0.109338 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.71088 | 2.74594 | 4.04373 | 4.78406 | 4.38455 | 4.33929 | 3.99768 | 2.86058 |
| B | 0.129119 | 0.126031 | 0.0973086 | 0.0812674 | 0.0788554 | 0.0878917 | 0.102281 | 0.127515 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

MILDENHALL

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.30839 | 1.27207 | 1.27408 | 1.60625 | 1.76174 | 1.75456 | 1.76577 | 1.5348 |
| B | 0.310583 | 0.3356 | 0.338922 | 0.267012 | 0.240944 | 0.239381 | 0.191637 | 0.255201 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 750 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.47775 | 1.355 | 1.47855 | 1.60004 | 2.54635 | 2.01061 | 2.4177 | 1.74506 |
| B | 0.237236 | 0.270822 | 0.290219 | 0.275686 | 0.197961 | 0.263012 | 0.153079 | 0.193464 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1500 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.91139 | 1.70871 | 1.55276 | 2.97099 | 4.20686 | 2.95452 | 2.30275 | 2.10618 |
| B | 0.135858 | 0.16512 | 0.238184 | 0.122967 | 0.11004 | 0.161003 | 0.169651 | 0.132652 |
| C | 750 | 750 | 1000 | 750 | 1000 | 1500 | 1500 | 1000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.05832 | 2.00722 | 1.49702 | 4.47705 | 5.9435 | 3.16304 | 2.51566 | 2.19584 |
| B | 0.128501 | 0.152758 | 0.287162 | 0.104567 | 0.111809 | 0.193421 | 0.176631 | 0.145498 |
| C | 1000 | 1000 | 1500 | 1000 | 1500 | 2000 | 2000 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.51712 | 1.41192 | 1.54777 | 2.83624 | 3.65706 | 4.19026 | 2.45046 | 2.07371 |
| B | 0.161288 | 0.223727 | 0.238533 | 0.177644 | 0.177531 | 0.126876 | 0.164914 | 0.116879 |
| C | 1500 | 1500 | 1500 | 1500 | 2000 | 2000 | 2500 | 1500 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.3748 | 1.11891 | 1.24662 | 4.20439 | 3.00784 | 2.92001 | 2.61774 | 1.82875 |
| B | 0.183354 | 0.363059 | 0.32812 | 0.0939484 | 0.212287 | 0.199357 | 0.153269 | 0.167404 |
| C | 1500 | 2500 | 2000 | 1000 | 2000 | 2500 | 2500 | 2000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.93586 | 1.48425 | 1.38957 | 3.37174 | 5.54928 | 4.42366 | 3.32202 | 2.61096 |
| B | 0.16427 | 0.344907 | 0.444709 | 0.17589 | 0.138176 | 0.156454 | 0.180851 | 0.159733 |
| C | 2000 | 3000 | 3000 | 1500 | 2000 | 2500 | 3000 | 2500 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.28963 | 1.04058 | 1.13052 | 2.56092 | 4.46614 | 3.53208 | 2.72427 | 1.83053 |
| B | 0.223486 | 0.435193 | 0.456923 | 0.195428 | 0.149605 | 0.19127 | 0.16845 | 0.166338 |
| C | 2000 | 3000 | 3000 | 1500 | 2000 | 2500 | 2500 | 2000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.57001 | 1.36395 | 1.20834 | 2.05565 | 2.96534 | 2.98162 | 2.92189 | 2.00578 |
| B | 0.191244 | 0.256859 | 0.434448 | 0.212642 | 0.199656 | 0.167368 | 0.111385 | 0.137333 |
| C | 2000 | 2000 | 3000 | 1500 | 2000 | 2500 | 2000 | 2000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.12258 | 1.40885 | 1.12583 | 1.48752 | 2.63153 | 2.4119 | 2.53511 | 1.82853 |
| B | 0.313016 | 0.205267 | 0.396261 | 0.265556 | 0.169322 | 0.175604 | 0.117475 | 0.154639 |
| C | 2000 | 1000 | 2000 | 1500 | 1500 | 2000 | 1500 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.44598 | 1.55323 | 1.50475 | 1.31811 | 1.85591 | 1.72753 | 1.45863 | 1.52793 |
| B | 0.26273 | 0.211635 | 0.296099 | 0.43258 | 0.258152 | 0.261071 | 0.256779 | 0.225361 |
| C | 1500 | 1000 | 1500 | 2500 | 1500 | 1500 | 1500 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.36233 | 1.39608 | 1.96505 | 1.72688 | 1.60335 | 1.5421 | 1.49478 | 1.77839 |
| B | 0.263655 | 0.266653 | 0.188234 | 0.240821 | 0.246032 | 0.265473 | 0.239419 | 0.174306 |
| C | 1000 | 1000 | 750 | 1000 | 1000 | 1000 | 1000 | 750 |

## PARAMETERS FOR BURR DISTRIBUTION - CEILING

### NENANA

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.57126 | 1.54322 | 1.55974 | 1.54368 | 1.14314 | 1.21402 | 1.9098 | 1.84524 |
| B | 0.151781 | 0.164034 | 0.172699 | 0.175968 | 0.342032 | 0.34127 | 0.129185 | 0.132638 |
| C | 2000 | 2000 | 2000 | 2000 | 5000 | 5000 | 2000 | 2000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.91687 | 2.40634 | 1.30383 | 1.33721 | 1.48051 | 1.46477 | 2.04263 | 2.06861 |
| B | 0.123023 | 0.0941366 | 0.399532 | 0.375655 | 0.314425 | 0.320553 | 0.123404 | 0.116698 |
| C | 2000 | 1500 | 5000 | 5000 | 5000 | 5000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.48668 | 2.42202 | 1.45661 | 1.40397 | 1.39956 | 1.60055 | 1.59184 | 3.1002 |
| B | 0.0740021 | 0.088953 | 0.271478 | 0.232623 | 0.21734 | 0.203834 | 0.208166 | 0.0595758 |
| C | 2000 | 2000 | 5000 | 5000 | 5000 | 5000 | 5000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.67877 | 1.74399 | 1.7264 | 1.5528 | 1.53879 | 1.85991 | 2.09464 | 1.84204 |
| B | 0.231344 | 0.296601 | 0.292007 | 0.265025 | 0.247543 | 0.237159 | 0.216568 | 0.20445 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 2.12076 | 2.12828 | 1.97807 | 1.70084 | 1.85671 | 2.04469 | 2.23966 | 2.09377 |
| B | 0.229611 | 0.236034 | 0.231756 | 0.269365 | 0.330653 | 0.317652 | 0.245899 | 0.223859 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.60744 | 2.47482 | 2.03383 | 1.82404 | 1.84188 | 2.25148 | 2.73262 | 2.77993 |
| B | 0.253052 | 0.258365 | 0.28464 | 0.321467 | 0.379929 | 0.320524 | 0.235907 | 0.218434 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.92973 | 1.79328 | 1.47469 | 2.60928 | 1.5576 | 1.87459 | 2.25049 | 2.09097 |
| B | 0.391996 | 0.413282 | 0.465053 | 0.143127 | 0.467548 | 0.396367 | 0.297681 | 0.344302 |
| C | 5000 | 5000 | 5000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.98084 | 1.86355 | 1.53344 | 1.41967 | 3.09293 | 1.85442 | 2.19773 | 2.06461 |
| B | 0.406808 | 0.475221 | 0.51654 | 0.495731 | 0.129269 | 0.397684 | 0.339125 | 0.374384 |
| C | 5000 | 5000 | 5000 | 5000 | 2000 | 5000 | 5000 | 5000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.88882 | 1.89575 | 1.30944 | 1.23051 | 1.5544 | 1.75553 | 2.05974 | 1.94764 |
| B | 0.361433 | 0.418946 | 0.953734 | 0.840101 | 0.437783 | 0.400602 | 0.382935 | 0.372268 |
| C | 5000 | 5000 | 10000 | 10000 | 5000 | 5000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.29807 | 2.28455 | 1.81094 | 1.76302 | 1.84142 | 1.91172 | 2.26276 | 2.21897 |
| B | 0.151345 | 0.1553 | 0.254484 | 0.24747 | 0.232561 | 0.218047 | 0.144011 | 0.147407 |
| C | 1500 | 1500 | 2000 | 2000 | 2000 | 2000 | 1500 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.98733 | 2.03582 | 1.79886 | 1.28471 | 2.0645 | 2.60441 | 1.70852 | 2.07942 |
| B | 0.122049 | 0.123343 | 0.189267 | 0.444312 | 0.156175 | 0.117461 | 0.191171 | 0.122977 |
| C | 1500 | 1500 | 2000 | 5000 | 2000 | 1500 | 2000 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.97201 | 2.26218 | 2.56519 | 2.54644 | 1.39116 | 2.10789 | 2.07389 | 2.08506 |
| B | 0.131914 | 0.120255 | 0.109668 | 0.118064 | 0.344664 | 0.135998 | 0.134551 | 0.129564 |
| C | 2000 | 2000 | 2000 | 2000 | 5000 | 2000 | 2000 | 2000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

NEW DELHI

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.62504 | 1.29306 | 1.01851 | 0.8947 | 1.19693 | 1.82136 | 2.80911 | 1.79454 |
| B | 0.107195 | 0.186525 | 0.410154 | 0.348502 | 0.26959 | 0.144032 | 0.0511181 | 0.120968 |
| C | 5000 | 8000 | 10000 | 10000 | 8000 | 5000 | 5000 | 8000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 3.36191 | 3.38029 | 2.01646 | 3.24193 | 3.96985 | 3.02641 | 1.38454 | 1.53026 |
| B | 0.064668 | 0.0483771 | 0.140477 | 0.0580307 | 0.051414 | 0.0688706 | 0.0903821 | 0.134588 |
| C | 8000 | 8000 | 8000 | 5000 | 5000 | 5000 | 5000 | 10000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.56896 | 3.23691 | 2.30951 | 2.99152 | 5.84272 | 1.92113 | 1.26594 | 1.22375 |
| B | 0.120308 | 0.047583 | 0.0825931 | 0.0566843 | 0.0274321 | 0.0939738 | 0.105944 | 0.0941934 |
| C | 10000 | 5000 | 5000 | 5000 | 5000 | 5000 | 3000 | 3000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.85704 | 2.38415 | 2.45075 | 3.51667 | 2.69296 | 1.61684 | 2.58123 | 3.28787 |
| B | 0.033919 | 0.0462678 | 0.0789251 | 0.0449469 | 0.065721 | 0.11886 | 0.0475614 | 0.0270844 |
| C | 3000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.93644 | 7.5386 | 3.43747 | 2.09911 | 2.18299 | 3.0489 | 12.221 | 12.369 |
| B | 0.0614822 | 0.0168277 | 0.0439316 | 0.06885 | 0.0911213 | 0.0817383 | 0.0181493 | 0.0108742 |
| C | 8000 | 5000 | 5000 | 8000 | 8000 | 5000 | 5000 | 5000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.50267 | 3.03631 | 3.05162 | 5.19389 | 2.31462 | 2.19553 | 2.68672 | 2.00058 |
| B | 0.203069 | 0.0911715 | 0.0890816 | 0.041389 | 0.110633 | 0.107609 | 0.122933 | 0.125282 |
| C | 8000 | 5000 | 5000 | 5000 | 5000 | 5000 | 8000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.44955 | 1.13041 | 1.08425 | 1.35168 | 1.53859 | 1.62772 | 1.51121 | 1.52428 |
| B | 0.154408 | 0.351576 | 0.559147 | 0.76188 | 0.622866 | 0.316782 | 0.206825 | 0.0936027 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 5000 | 3000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 2.2009 | 1.29966 | 1.14126 | 1.37107 | 1.93142 | 1.76274 | 1.88094 | 1.9701 |
| B | 0.107095 | 0.26952 | 0.57213 | 0.735348 | 0.390085 | 0.371697 | 0.152473 | 0.113257 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.38739 | 1.13876 | 0.983064 | 0.990857 | 0.963111 | 0.996184 | 0.990987 | 1.30493 |
| B | 0.12914 | 0.186998 | 0.283506 | 0.302235 | 0.369164 | 0.253223 | 0.30853 | 0.140564 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 10000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 7.1367 | 2.73479 | 1.33999 | 1.34945 | 1.11184 | 1.59666 | 0.833912 | 2.34095 |
| B | 0.00384678 | 0.0283393 | 0.0699091 | 0.0255754 | 0.0405549 | 0.0312338 | 0.0458067 | 0.0110501 |
| C | 3000 | 8000 | 10000 | 3000 | 3000 | 5000 | 10000 | 3000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 3.30283 | 1.99684 | 2.6666 | 1.94957 | 2.61946 | 2.5732 | 2.59443 | 3.81541 |
| B | 0.0154543 | 0.022046 | 0.0190705 | 0.699713 | 1.78437 | 0.012358 | 0.0126237 | 0.0176322 |
| C | 8000 | 8000 | 10000 | 100000 | 100000 | 8000 | 10000 | 10000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 3.52244 | 1.83416 | 2.97591 | 1.52568 | 2.35204 | 2.77281 | 2.46766 | 2.8612 |
| B | 0.0155589 | 0.0548093 | 0.0292318 | 0.122894 | 0.0626398 | 0.0753243 | 0.0545748 | 0.027728 |
| C | 8000 | 10000 | 5000 | 10000 | 8000 | 8000 | 10000 | 8000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

OKINAWA

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 3.48754 | 3.97961 | 3.66202 | 3.15336 | 3.11482 | 2.92951 | 3.03166 | 3.87825 |
| B | 0.221465 | 0.196947 | 0.245328 | 0.275103 | 0.296422 | 0.312677 | 0.298423 | 0.214955 |
| C | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 2.9878 | 3.90385 | 3.64055 | 2.9877 | 2.74992 | 3.02699 | 3.09013 | 2.8156 |
| B | 0.259172 | 0.162706 | 0.19067 | 0.230734 | 0.268406 | 0.246902 | 0.23674 | 0.2711 |
| C | 2500 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2500 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.65165 | 2.77421 | 3.18284 | 2.64775 | 2.55164 | 2.42851 | 3.10335 | 2.65332 |
| B | 0.204842 | 0.223507 | 0.204138 | 0.234203 | 0.257961 | 0.27332 | 0.162969 | 0.207326 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1500 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.17173 | 1.88099 | 1.93875 | 1.58572 | 2.10833 | 2.00193 | 1.92502 | 1.88608 |
| B | 0.193642 | 0.234398 | 0.245528 | 0.32443 | 0.209058 | 0.211471 | 0.205395 | 0.208859 |
| C | 1500 | 1500 | 1500 | 2000 | 1500 | 1500 | 1500 | 1500 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.04933 | 1.25851 | 1.29205 | 1.48939 | 1.8216 | 1.4061 | 1.22943 | 1.3395 |
| B | 0.601632 | 0.39251 | 0.476142 | 0.306806 | 0.22651 | 0.427786 | 0.604754 | 0.371007 |
| C | 5000 | 2500 | 3000 | 2000 | 1500 | 3000 | 5000 | 3000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.336 | 1.34063 | 1.25645 | 1.65193 | 1.73113 | 1.49626 | 1.11407 | 1.17995 |
| B | 0.283342 | 0.272819 | 0.372733 | 0.196716 | 0.190579 | 0.256552 | 0.522432 | 0.437317 |
| C | 2500 | 2000 | 3000 | 1500 | 1500 | 2000 | 5000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.57558 | 1.55505 | 1.04348 | 2.35355 | 3.11732 | 3.98733 | 1.19118 | 1.76924 |
| B | 0.0559854 | 0.060068 | 0.177901 | 0.0465066 | 0.043222 | 0.0347626 | 0.139687 | 0.0470962 |
| C | 1500 | 1500 | 5000 | 1000 | 1000 | 1000 | 3000 | 1500 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.80588 | 1.76442 | 1.95631 | 2.10114 | 2.43287 | 2.91422 | 2.34441 | 2.00847 |
| B | 0.0588442 | 0.0642868 | 0.0561525 | 0.0758771 | 0.0766991 | 0.0600415 | 0.0554685 | 0.0471003 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 2.02557 | 1.93493 | 2.09721 | 1.83782 | 1.90389 | 1.89896 | 2.12206 | 1.91657 |
| B | 0.0546579 | 0.0572951 | 0.0711684 | 0.0987768 | 0.110509 | 0.105129 | 0.0735913 | 0.0589406 |
| C | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.38366 | 2.09254 | 2.53292 | 2.37786 | 3.0651 | 2.18988 | 2.03583 | 3.23767 |
| B | 0.105544 | 0.118549 | 0.118568 | 0.138636 | 0.0990467 | 0.161966 | 0.139396 | 0.0647155 |
| C | 2000 | 2000 | 2000 | 2000 | 1500 | 2000 | 2000 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.34774 | 3.18041 | 2.64818 | 2.20765 | 2.42589 | 2.36082 | 2.37278 | 3.01855 |
| B | 0.163157 | 0.106187 | 0.138474 | 0.211506 | 0.195509 | 0.184765 | 0.165895 | 0.12061 |
| C | 2500 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 3.26277 | 4.59385 | 3.45923 | 3.06433 | 2.58513 | 3.79808 | 3.86823 | 3.70869 |
| B | 0.214347 | 0.125941 | 0.187967 | 0.213328 | 0.251415 | 0.145647 | 0.139341 | 0.155867 |
| C | 3000 | 2500 | 2500 | 2500 | 2500 | 2000 | 2000 | 2500 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

PATRICK

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.41414 | 0.883157 | 0.968251 | 1.11371 | 1.4075 | 1.58745 | 1.62451 | 1.75158 |
| B | 0.148359 | 0.220729 | 0.225748 | 0.19415 | 0.155434 | 0.125871 | 0.129583 | 0.109137 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.52442 | 1.12385 | 0.976595 | 1.31842 | 1.91801 | 2.46102 | 2.50097 | 1.83373 |
| B | 0.125451 | 0.190856 | 0.4198 | 0.225258 | 0.114539 | 0.0834469 | 0.0882977 | 0.105961 |
| C | 3000 | 3000 | 8000 | 5000 | 3000 | 3000 | 3000 | 3000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 3.14965 | 1.58374 | 1.24562 | 1.69305 | 2.36799 | 3.1382 | 3.9863 | 2.4451 |
| B | 0.0503291 | 0.104962 | 0.156173 | 0.0945286 | 0.0641722 | 0.0460964 | 0.0359793 | 0.0669357 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.35557 | 1.16326 | 0.905291 | 1.55228 | 3.37202 | 2.04066 | 1.84187 | 2.4279 |
| B | 0.0506793 | 0.115483 | 0.229237 | 0.102968 | 0.0334334 | 0.0738348 | 0.103819 | 0.0560012 |
| C | 3000 | 3000 | 5000 | 3000 | 3000 | 5000 | 8000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 3.642 | 3.112 | 1.20493 | 1.52393 | 1.94574 | 2.20717 | 2.13156 | 2.10019 |
| B | 0.0320198 | 0.0402458 | 0.244378 | 0.163755 | 0.0982162 | 0.0971461 | 0.110131 | 0.0895584 |
| C | 3000 | 3000 | 10000 | 8000 | 5000 | 5000 | 5000 | 5000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.27721 | 1.08009 | 1.35866 | 1.36483 | 1.64125 | 1.61361 | 1.75616 | 1.99911 |
| B | 0.156402 | 0.118813 | 0.233762 | 0.219393 | 0.114051 | 0.257001 | 0.356316 | 0.171663 |
| C | 8000 | 5000 | 10000 | 10000 | 5000 | 8000 | 10000 | 8000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 4.92845 | 5.22988 | 11.6241 | 5.24622 | 1.67909 | 1.86208 | 2.18385 | 2.32557 |
| B | 0.0297619 | 0.0236446 | 0.0159771 | 0.0377552 | 0.156705 | 0.222221 | 0.263759 | 0.120009 |
| C | 8000 | 8000 | 8000 | 8000 | 10000 | 10000 | 10000 | 8000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 2.99464 | 2.31418 | 2.26812 | 4.43774 | 2.00848 | 1.51241 | 2.07583 | 4.27631 |
| B | 0.0612607 | 0.0735453 | 0.083507 | 0.0416133 | 0.118748 | 0.230886 | 0.195959 | 0.0521712 |
| C | 8000 | 10000 | 10000 | 8000 | 10000 | 10000 | 10000 | 8000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.3424 | 1.36955 | 1.50669 | 1.46364 | 1.88616 | 1.74464 | 1.72073 | 1.57367 |
| B | 0.153725 | 0.197339 | 0.192142 | 0.192537 | 0.168572 | 0.233382 | 0.24489 | 0.170346 |
| C | 8000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.9056 | 1.86486 | 1.56772 | 1.80756 | 1.80625 | 2.16889 | 1.92856 | 3.4435 |
| B | 0.0589327 | 0.0892264 | 0.172036 | 0.152466 | 0.146781 | 0.141844 | 0.143819 | 0.0470002 |
| C | 3000 | 3000 | 5000 | 5000 | 5000 | 5000 | 5000 | 3000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 3.99704 | 3.65871 | 2.50983 | 1.43672 | 2.0479 | 1.96151 | 3.46553 | 2.69274 |
| B | 0.0456124 | 0.0539978 | 0.0826453 | 0.255438 | 0.12817 | 0.135507 | 0.0500674 | 0.0522888 |
| C | 3000 | 3000 | 3000 | 8000 | 5000 | 5000 | 3000 | 3000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.49709 | 1.28316 | 1.25933 | 1.32485 | 2.06813 | 2.05543 | 1.48993 | 1.44417 |
| B | 0.105075 | 0.141278 | 0.18285 | 0.177604 | 0.107983 | 0.0914346 | 0.152403 | 0.145995 |
| C | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 5000 | 5000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

SAIGON

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.95019 | 2.34862 | 1.69421 | 1.25734 | 2.1775 | 1.35031 | 1.87773 | 2.52941 |
| B | 0.0939956 | 0.0709997 | 0.11135 | 0.143733 | 0.0824877 | 0.174644 | 0.0964886 | 0.0557893 |
| C | 8000 | 5000 | 5000 | 10000 | 2000 | 5000 | 5000 | 5000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.84892 | 1.62323 | 1.27863 | 1.43738 | 1.88296 | 1.28751 | 1.76176 | 2.16872 |
| B | 0.0499301 | 0.0734726 | 0.132131 | 0.0584335 | 0.0728695 | 0.127558 | 0.0555307 | 0.0283748 |
| C | 5000 | 5000 | 5000 | 2000 | 2000 | 5000 | 5000 | 5000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.467 | 1.47494 | 1.78355 | 0.97803 | 1.23985 | 1.58333 | 1.1418 | 1.64103 |
| B | 0.0703841 | 0.0957348 | 0.0778859 | 0.177424 | 0.203668 | 0.0416768 | 0.0575668 | 0.0302147 |
| C | 5000 | 5000 | 2000 | 2000 | 2000 | 2000 | 5000 | 5000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.60225 | 1.31607 | 1.50684 | 0.642537 | 2.09869 | 1.81314 | 1.44109 | 1.72979 |
| B | 0.104301 | 0.132111 | 0.0808086 | 0.539794 | 0.226146 | 0.0477765 | 0.111599 | 0.0606277 |
| C | 5000 | 5000 | 2000 | 5000 | 2000 | 2000 | 10000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.92814 | 1.54319 | 1.11811 | 1.36365 | 2.15186 | 1.31031 | 2.31371 | 3.04244 |
| B | 0.412685 | 0.356173 | 3.22965 | 0.321059 | 0.255484 | 5.89251 | 0.415178 | 0.365461 |
| C | 10000 | 10000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.44331 | 1.80487 | 1.07605 | 1.13789 | 1.85075 | 1.43945 | 3.4278 | 3.16808 |
| B | 0.34357 | 0.318352 | 3.57237 | 0.415192 | 0.266792 | 9.62221 | 0.393388 | 0.345671 |
| C | 10000 | 10000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 2.4939 | 2.02199 | 1.20011 | 1.32144 | 1.43627 | 1.26099 | 3.17653 | 2.85902 |
| B | 0.376899 | 0.376561 | 5.50306 | 0.31326 | 0.368043 | 7.36747 | 0.446616 | 0.413191 |
| C | 10000 | 10000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 2.73525 | 1.83598 | 0.831611 | 1.40397 | 1.85712 | 1.45374 | 5.12365 | 4.3585 |
| B | 0.448835 | 0.488927 | 3.35138 | 0.403343 | 0.327088 | 10.9802 | 0.372056 | 0.370672 |
| C | 10000 | 10000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 2.86307 | 1.81291 | 0.829126 | 1.39534 | 1.93658 | 2.52556 | 4.93236 | 3.67033 |
| B | 0.419151 | 0.45708 | 3.48744 | 0.409335 | 0.276963 | 0.531816 | 0.341263 | 0.402944 |
| C | 10000 | 10000 | 100000 | 2000 | 2000 | 10000 | 10000 | 10000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.02433 | 1.15322 | 0.761378 | 1.28809 | 1.85453 | 1.2583 | 2.55222 | 3.05986 |
| B | 0.41942 | 3.69201 | 2.49674 | 0.255318 | 0.227465 | 5.88911 | 0.437935 | 0.377428 |
| C | 10000 | 100000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.87554 | 1.64151 | 0.779457 | 1.32781 | 1.54319 | 0.982085 | 1.54171 | 1.56828 |
| B | 0.119843 | 0.140697 | 2.13726 | 0.162461 | 0.237913 | 2.60124 | 0.396643 | 0.296762 |
| C | 5000 | 5000 | 100000 | 2000 | 2000 | 100000 | 10000 | 10000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.45903 | 2.09122 | 1.10143 | 1.55618 | 1.97748 | 1.42133 | 1.83495 | 1.67172 |
| B | 0.0833181 | 0.0839327 | 0.289163 | 0.0886276 | 0.159138 | 0.244313 | 0.185068 | 0.21112 |
| C | 5000 | 5000 | 8000 | 2000 | 2000 | 5000 | 5000 | 8000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

SCOTT

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.21781 | 1.1253 | 1.0821 | 1.20107 | 1.29494 | 1.35819 | 1.26097 | 1.13552 |
| B | 0.189183 | 0.21265 | 0.238918 | 0.230229 | 0.199059 | 0.173851 | 0.183495 | 0.19323 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.56993 | 1.42548 | 1.43213 | 1.46437 | 1.62372 | 1.76363 | 1.71715 | 1.63054 |
| B | 0.150082 | 0.173644 | 0.187128 | 0.188311 | 0.160321 | 0.14113 | 0.128545 | 0.130505 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.80651 | 1.54684 | 1.58735 | 1.92238 | 2.66552 | 1.86676 | 1.78214 | 1.58417 |
| B | 0.116046 | 0.145515 | 0.158333 | 0.135048 | 0.0967077 | 0.157844 | 0.148 | 0.15834 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.56338 | 1.40154 | 1.32491 | 2.63925 | 2.35738 | 1.89837 | 1.9146 | 1.71971 |
| B | 0.158928 | 0.184066 | 0.214882 | 0.0843619 | 0.118226 | 0.154002 | 0.134422 | 0.134382 |
| C | 2000 | 2000 | 2000 | 1000 | 1500 | 2000 | 2000 | 2000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.10485 | 1.04169 | 1.00842 | 1.95085 | 2.11303 | 2.69563 | 2.45514 | 2.00408 |
| B | 0.247247 | 0.285114 | 0.340818 | 0.111863 | 0.140406 | 0.0931242 | 0.0798771 | 0.0841434 |
| C | 5000 | 5000 | 5000 | 1500 | 2000 | 2000 | 2000 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.35547 | 1.26334 | 1.16637 | 2.69321 | 3.07252 | 1.48157 | 1.57013 | 1.46592 |
| B | 0.155885 | 0.208364 | 0.248459 | 0.0673712 | 0.0880098 | 0.249627 | 0.177067 | 0.14343 |
| C | 5000 | 5000 | 5000 | 1500 | 2000 | 5000 | 5000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.92921 | 1.39242 | 1.26032 | 2.33457 | 1.51827 | 1.87835 | 2.21394 | 2.2031 |
| B | 0.0878363 | 0.25366 | 0.333642 | 0.0745127 | 0.232375 | 0.140804 | 0.101228 | 0.0771392 |
| C | 5000 | 10000 | 10000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.33987 | 1.15063 | 1.11527 | 1.85197 | 1.431 | 1.68041 | 1.50766 | 1.93101 |
| B | 0.188977 | 0.262072 | 0.347391 | 0.0880058 | 0.233754 | 0.145983 | 0.223522 | 0.0823145 |
| C | 10000 | 10000 | 10000 | 2000 | 5000 | 5000 | 10000 | 5000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.00779 | 0.955778 | 0.845738 | 1.49507 | 2.56676 | 2.0748 | 1.22668 | 1.17648 |
| B | 0.197513 | 0.234018 | 0.434449 | 0.103576 | 0.0688255 | 0.0772925 | 0.165154 | 0.160285 |
| C | 5000 | 5000 | 10000 | 1500 | 1500 | 2000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 1.29256 | 1.16306 | 0.959778 | 1.50758 | 1.93475 | 1.70765 | 1.16569 | 1.03231 |
| B | 0.103014 | 0.12315 | 0.278477 | 0.10566 | 0.0854744 | 0.0987865 | 0.210766 | 0.200037 |
| C | 2000 | 2000 | 5000 | 1500 | 1500 | 2000 | 5000 | 5000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.36306 | 1.61369 | 1.81715 | 1.94853 | 2.70583 | 1.92603 | 1.79715 | 1.60146 |
| B | 0.166611 | 0.119655 | 0.121261 | 0.117351 | 0.0837518 | 0.131351 | 0.129948 | 0.142056 |
| C | 1500 | 1000 | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.3353 | 1.28386 | 1.32875 | 1.37739 | 1.58944 | 1.70658 | 1.56573 | 1.42339 |
| B | 0.178344 | 0.192955 | 0.213147 | 0.20605 | 0.174285 | 0.155138 | 0.158791 | 0.171682 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

SHEMYA

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 3.84206 | 4.25975 | 3.77355 | 2.80265 | 2.91128 | 2.84988 | 4.23585 | 4.10324 |
| B | 0.156545 | 0.151289 | 0.165265 | 0.308888 | 0.289296 | 0.309445 | 0.158858 | 0.152233 |
| C | 750 | 750 | 750 | 1000 | 1000 | 1000 | 750 | 750 |
| FEB | . | . | . | . | . | . | . | . |
| A | 3.01578 | 3.35843 | 3.44059 | 3.37213 | 3.31847 | 3.4678 | 3.05899 | 3.1657 |
| B | 0.239293 | 0.233638 | 0.24092 | 0.252962 | 0.253594 | 0.256178 | 0.266885 | 0.223874 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.72759 | 2.90797 | 3.10121 | 2.97375 | 3.19641 | 3.45479 | 3.04445 | 2.86653 |
| B | 0.276076 | 0.272788 | 0.27667 | 0.281003 | 0.256395 | 0.24192 | 0.276848 | 0.267456 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.15305 | 2.37949 | 2.34752 | 2.42111 | 2.43443 | 2.32735 | 2.30863 | 3.09933 |
| B | 0.398737 | 0.395414 | 0.40001 | 0.386022 | 0.362837 | 0.383829 | 0.39389 | 0.236278 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 750 |
| MAY | . | . | . | . | . | . | . | . |
| A | 2.42863 | 2.16911 | 2.04256 | 2.04289 | 2.5073 | 2.4754 | 2.42832 | 2.36239 |
| B | 0.418116 | 0.631418 | 0.666941 | 0.627855 | 0.372984 | 0.374362 | 0.39274 | 0.439839 |
| C | 750 | 1000 | 1000 | 1000 | 750 | 750 | 750 | 750 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 1.50571 | 1.40842 | 1.54229 | 1.59877 | 1.65692 | 1.78785 | 1.68743 | 1.59589 |
| B | 1.01465 | 1.36948 | 1.02262 | 0.887735 | 0.760983 | 0.709903 | 0.787749 | 0.914253 |
| C | 750 | 1000 | 750 | 750 | 750 | 750 | 750 | 750 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.03929 | 1.14017 | 1.13679 | 1.22695 | 1.25238 | 1.26432 | 1.12725 | 1.07841 |
| B | 1.74389 | 1.90314 | 1.73873 | 1.57156 | 1.3193 | 1.2989 | 1.44187 | 1.68718 |
| C | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| AUG | . | . | . | . | . | . | . | . |
| A | 0.966869 | 1.03535 | 1.07572 | 1.08166 | 1.1417 | 1.1104 | 1.00624 | 0.96086 |
| B | 1.19377 | 1.25404 | 1.20518 | 1.0586 | 0.892438 | 0.893514 | 0.97763 | 1.09465 |
| C | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.46951 | 1.60753 | 1.58701 | 1.55263 | 1.52918 | 1.45111 | 1.34945 | 1.39554 |
| B | 0.406708 | 0.382248 | 0.400217 | 0.384525 | 0.345987 | 0.368353 | 0.4086 | 0.403467 |
| C | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| OCT | . | . | . | . | . | . | . | . |
| A | 3.93862 | 3.26914 | 3.07182 | 2.86286 | 2.73669 | 2.81926 | 2.97097 | 2.92626 |
| B | 0.124709 | 0.183018 | 0.217932 | 0.235385 | 0.238507 | 0.234418 | 0.22442 | 0.204434 |
| C | 750 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 4.79802 | 5.44898 | 3.05178 | 3.0263 | 3.1913 | 2.96311 | 4.23381 | 4.21258 |
| B | 0.111592 | 0.103572 | 0.227005 | 0.247021 | 0.242985 | 0.249171 | 0.137673 | 0.12975 |
| C | 750 | 750 | 1000 | 1000 | 1000 | 1000 | 750 | 750 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.89418 | 2.95779 | 4.07681 | 2.66724 | 3.15884 | 3.22055 | 5.33315 | 3.01993 |
| B | 0.214776 | 0.221655 | 0.135946 | 0.292188 | 0.243813 | 0.237949 | 0.106833 | 0.225662 |
| C | 1000 | 1000 | 750 | 1000 | 1000 | 1000 | 750 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

THULE

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.29527 | 1.02912 | 1.15825 | 1.20826 | 1.62989 | 0.889365 | 1.19501 | 1.48036 |
| B | 0.141362 | 0.209806 | 0.15 | 0.139854 | 0.110911 | 0.216571 | 0.138584 | 0.115747 |
| C | 3000 | 5000 | 3000 | 3000 | 2500 | 5000 | 3000 | 2500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.46675 | 1.4644 | 1.5357 | 1.31657 | 1.20394 | 1.09373 | 1.29176 | 1.40438 |
| B | 0.130965 | 0.1178 | 0.120907 | 0.219306 | 0.230035 | 0.249392 | 0.143517 | 0.124234 |
| C | 3000 | 3000 | 3000 | 5000 | 5000 | 5000 | 3000 | 3000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 0.898673 | 0.885528 | 0.885336 | 0.912481 | 1.54656 | 1.91397 | 1.91735 | 1.11943 |
| B | 0.149649 | 0.160567 | 0.172325 | 0.136961 | 0.0667627 | 0.0481977 | 0.0573329 | 0.123243 |
| C | 5000 | 5000 | 5000 | 5000 | 3000 | 2500 | 2500 | 5000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.63544 | 1.6059 | 1.54937 | 1.7155 | 1.94035 | 1.67786 | 1.70182 | 1.62925 |
| B | 0.0932939 | 0.0873438 | 0.0668598 | 0.0570783 | 0.0561592 | 0.0656006 | 0.0724468 | 0.0885275 |
| C | 3000 | 3000 | 2500 | 2500 | 3000 | 3000 | 3000 | 3000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.00693 | 1.35099 | 1.31858 | 1.1542 | 1.253 | 1.22615 | 1.21505 | 0.938312 |
| B | 0.263373 | 0.149227 | 0.141811 | 0.18017 | 0.169762 | 0.163126 | 0.161549 | 0.243953 |
| C | 2000 | 1000 | 1000 | 1500 | 1500 | 1500 | 1500 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 0.836298 | 0.821966 | 0.793198 | 0.829075 | 0.894121 | 0.972006 | 0.768889 | 0.818045 |
| B | 0.390401 | 0.431833 | 0.455435 | 0.456842 | 0.371593 | 0.354803 | 0.575062 | 0.347937 |
| C | 2000 | 2500 | 3000 | 3000 | 2500 | 2500 | 5000 | 1500 |
| JULY | . | . | . | . | . | . | . | . |
| A | 0.679583 | 0.685391 | 0.772764 | 0.915975 | 0.87288 | 0.814705 | 0.703402 | 0.688319 |
| B | 0.683425 | 0.756706 | 0.731953 | 0.621121 | 0.581023 | 0.544471 | 0.597271 | 0.665504 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 0.894118 | 0.899826 | 0.977429 | 1.04876 | 1.189 | 1.19021 | 1.1787 | 1.01944 |
| B | 0.586867 | 0.567996 | 0.535238 | 0.475727 | 0.437798 | 0.430269 | 0.423324 | 0.485751 |
| C | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 2.39715 | 2.13421 | 2.06653 | 2.94394 | 1.90212 | 2.2747 | 2.18596 | 2.04842 |
| B | 0.129931 | 0.152544 | 0.153684 | 0.101726 | 0.155498 | 0.135514 | 0.143072 | 0.155082 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.2348 | 2.50765 | 2.50926 | 2.57929 | 2.52035 | 3.6062 | 3.74753 | 3.98187 |
| B | 0.133965 | 0.121831 | 1.32526 | 0.128806 | 0.123552 | 0.0937095 | 0.0936357 | 0.064355 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1500 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.00368 | 2.01696 | 2.38315 | 2.90471 | 3.88004 | 2.72616 | 2.45643 | 2.2818 |
| B | 0.111891 | 0.106298 | 0.0880804 | 0.0869286 | 0.0600753 | 0.0942154 | 0.0952143 | 0.0998351 |
| C | 2000 | 2000 | 2000 | 2000 | 1500 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 2.20277 | 2.25158 | 2.50303 | 2.17268 | 2.12942 | 1.97701 | 2.41998 | 2.19441 |
| B | 0.0805262 | 0.0764161 | 0.0611613 | 0.0674927 | 0.0929585 | 0.0817005 | 0.0697941 | 0.0786554 |
| C | 2000 | 2000 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

TORKEJON

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 1.12885 | 1.09616 | 1.04468 | 1.04626 | 1.5766 | 2.56676 | 2.14476 | 1.59242 |
| B | 0.200047 | 0.228924 | 0.263609 | 0.265953 | 0.169788 | 0.0915771 | 0.0974515 | 0.124356 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| FEB | . | . | . | . | . | . | . | . |
| A | 1.63672 | 1.97979 | 1.33328 | 1.55122 | 3.94103 | 1.96574 | 2.03673 | 1.86889 |
| B | 0.136024 | 0.0962685 | 0.15677 | 0.140171 | 0.0538932 | 0.132259 | 0.113235 | 0.116616 |
| C | 2000 | 1000 | 1000 | 1000 | 1000 | 2000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 1.68526 | 2.76905 | 1.31471 | 2.70981 | 2.37102 | 1.40659 | 1.39367 | 2.36957 |
| B | 0.108344 | 0.0547665 | 0.193697 | 0.0694251 | 0.129055 | 0.319143 | 0.285056 | 0.0787922 |
| C | 2000 | 1000 | 2000 | 1000 | 2000 | 5000 | 5000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 1.42927 | 2.69762 | 1.93512 | 2.03598 | 1.2057 | 1.67666 | 1.90363 | 1.72915 |
| B | 0.188334 | 0.0600744 | 0.0898159 | 0.0985627 | 0.312327 | 0.248041 | 0.201629 | 0.157475 |
| C | 5000 | 2000 | 2000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 1.64861 | 1.38247 | 3.01493 | 2.44965 | 1.32921 | 1.65546 | 1.97459 | 2.15657 |
| B | 0.111722 | 0.132681 | 0.0479821 | 0.0644779 | 0.238542 | 0.199807 | 0.15407 | 0.111244 |
| C | 5000 | 5000 | 2000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.57882 | 2.00656 | 1.67893 | 3.81193 | 1.4226 | 2.04272 | 2.39446 | 2.92435 |
| B | 0.0623348 | 0.0907509 | 0.123255 | 0.0304796 | 0.166843 | 0.142334 | 0.102618 | 0.068695 |
| C | 5000 | 5000 | 5000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 3.4706 | 2.58061 | 1.88894 | 2.35902 | 1.62374 | 1.76078 | 2.26094 | 2.7242 |
| B | 0.0109103 | 0.0173658 | 0.0236435 | 0.0151867 | 0.0310974 | 0.0330585 | 0.0269643 | 0.0262045 |
| C | 5000 | 5000 | 5000 | 5000 | 8000 | 5000 | 5000 | 5000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.89887 | 2.67411 | 1.6712 | 2.06531 | 1.03859 | 2.63851 | 4.06259 | 3.27164 |
| B | 0.043479 | 0.018074 | 0.0373214 | 0.0288267 | 0.0329852 | 0.0315353 | 0.0191146 | 0.0180888 |
| C | 8000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 2.09833 | 1.55448 | 2.45523 | 3.03674 | 1.42245 | 1.89494 | 2.44817 | 2.41272 |
| B | 0.0741865 | 0.111074 | 0.0496873 | 0.0398334 | 0.169702 | 0.124893 | 0.0869955 | 0.0597727 |
| C | 5000 | 5000 | 2000 | 2000 | 5000 | 5000 | 5000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 3.32505 | 1.95504 | 1.65494 | 1.87716 | 2.74764 | 1.47822 | 1.58801 | 1.40836 |
| B | 0.050389 | 0.0904728 | 0.132568 | 0.113318 | 0.0824536 | 0.228862 | 0.198978 | 0.189278 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 5000 | 5000 | 5000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 1.39825 | 1.62133 | 1.43077 | 1.71433 | 3.83366 | 2.85327 | 3.27765 | 1.97842 |
| B | 0.16643 | 0.115649 | 0.159055 | 0.131378 | 0.0616839 | 0.11244 | 0.0821649 | 0.118275 |
| C | 2000 | 1000 | 1000 | 1000 | 1000 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.12256 | 1.041 | 0.852639 | 0.939058 | 1.55203 | 2.29249 | 1.83412 | 1.38074 |
| B | 0.148732 | 0.19848 | 0.229528 | 0.228853 | 0.132085 | 0.0858713 | 0.0976413 | 0.122077 |
| C | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

PARAMETERS FOR BURR DISTRIBUTION - CEILING

WAKE IS

| JAN | 0-2 | 3-5 | 6-8 | 9-11 | 12-14 | 15-17 | 18-20 | 21-23 |
|---|---|---|---|---|---|---|---|---|
| A | 2.08883 | 2.16769 | 2.30651 | 2.53826 | 2.20769 | 2.8036 | 2.20624 | 1.89639 |
| B | 0.102247 | 0.112328 | 0.128112 | 0.106399 | 0.097739 | 0.0631669 | 0.0759445 | 0.0910278 |
| C | 2500 | 2500 | 2500 | 2500 | 2500 | 2000 | 2000 | 2500 |
| FEB | . | . | . | . | . | . | . | . |
| A | 3.08981 | 3.80327 | 3.55746 | 2.20698 | 2.06767 | 2.9371 | 2.49308 | 3.30485 |
| B | 0.0629516 | 0.0604121 | 0.0641302 | 0.104445 | 0.101642 | 0.0595031 | 0.0663428 | 0.0555205 |
| C | 2000 | 2000 | 2000 | 2500 | 2500 | 2000 | 2000 | 2000 |
| MAR | . | . | . | . | . | . | . | . |
| A | 2.95051 | 2.35991 | 2.53089 | 3.3356 | 3.30658 | 2.45042 | 2.41147 | 2.5107 |
| B | 0.0562267 | 0.083103 | 0.088252 | 0.0562786 | 0.0489624 | 0.0658845 | 0.0705175 | 0.0579154 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| APR | . | . | . | . | . | . | . | . |
| A | 2.89476 | 2.48095 | 2.90888 | 3.0121 | 2.80545 | 2.18015 | 1.87269 | 2.21511 |
| B | 0.0614521 | 0.078187 | 0.0757366 | 0.0624049 | 0.0623633 | 0.077079 | 0.0860019 | 0.0679414 |
| C | 2000 | 2000 | 20000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| MAY | . | . | . | . | . | . | . | . |
| A | 2.36057 | 1.9007 | 2.38422 | 2.12182 | 2.12672 | 2.98998 | 2.60385 | 2.44171 |
| B | 0.055983 | 0.0860111 | 0.0710338 | 0.0713027 | 0.0636325 | 0.0451119 | 0.0491389 | 0.046852 |
| C | 2000 | 2000 | 2000 | 2500 | 2500 | 2000 | 2000 | 2000 |
| JUNE | . | . | . | . | . | . | . | . |
| A | 2.27978 | 2.04703 | 2.20457 | 2.39809 | 2.09927 | 2.62587 | 1.9259 | 2.0206 |
| B | 0.0381282 | 0.0621881 | 0.0628905 | 0.0456275 | 0.0525596 | 0.0391004 | 0.0611482 | 0.0353396 |
| C | 2000 | 2500 | 2500 | 2000 | 2000 | 2000 | 2500 | 2000 |
| JULY | . | . | . | . | . | . | . | . |
| A | 1.94872 | 2.03289 | 1.94458 | 1.68937 | 1.30912 | 1.39327 | 1.33565 | 1.26981 |
| B | 0.0575309 | 0.0621111 | 0.0756012 | 0.0800418 | 0.130198 | 0.225676 | 0.197817 | 0.172995 |
| C | 2500 | 2000 | 2500 | 3000 | 5000 | 10000 | 10000 | 10000 |
| AUG | . | . | . | . | . | . | . | . |
| A | 1.21753 | 2.14681 | 1.64796 | 1.17227 | 1.36785 | 1.19481 | 1.26862 | 1.19386 |
| B | 0.212886 | 0.0596072 | 0.0969354 | 0.257553 | 0.215884 | 0.245395 | 0.229757 | 0.218405 |
| C | 8000 | 2000 | 3000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| SEPT | . | . | . | . | . | . | . | . |
| A | 1.78923 | 1.90297 | 1.90125 | 1.56876 | 2.3068 | 1.28577 | 1.24148 | 1.24169 |
| B | 0.0552576 | 0.0502964 | 0.0547446 | 0.0786575 | 0.0478906 | 0.129202 | 0.192287 | 0.113832 |
| C | 2000 | 2000 | 2000 | 3000 | 2000 | 5000 | 10000 | 5000 |
| OCT | . | . | . | . | . | . | . | . |
| A | 2.05511 | 2.30017 | 1.74215 | 1.63996 | 2.01835 | 2.1549 | 1.61798 | 2.47514 |
| B | 0.0612827 | 0.0600888 | 0.096453 | 0.107424 | 0.0606686 | 0.0684075 | 0.102172 | 0.0508384 |
| C | 2000 | 2000 | 3000 | 3000 | 2000 | 2000 | 3000 | 2000 |
| NOV | . | . | . | . | . | . | . | . |
| A | 2.37916 | 2.09563 | 2.25682 | 2.07797 | 2.37057 | 2.27196 | 2.23125 | 2.48889 |
| B | 0.0480607 | 0.0638572 | 0.0563701 | 0.0633604 | 0.0521174 | 0.0548907 | 0.0573486 | 0.0446554 |
| C | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| DEC | . | . | . | . | . | . | . | . |
| A | 1.77594 | 2.33654 | 2.44399 | 2.23321 | 2.58076 | 2.17338 | 2.18823 | 1.99355 |
| B | 0.0774862 | 0.0630688 | 0.0738388 | 0.0806893 | 0.0595206 | 0.0700788 | 0.0676601 | 0.065264 |
| C | 2000 | 2000 | 2000 | 2500 | 2000 | 2000 | 2000 | 2000 |